11/25/87 A8050-1A

News Release

national machine tool builders association

FOR RELEASE: November 30, 1987
Contact: Charles Pollock

MACHINE TOOL ORDERS UP IN OCTOBER

October net new machine tool orders are up 46.2% compared to September. The $267.30 million figure reflects a 57.1% rise in metal cutting orders to $198.15 million and a 21.9% rise in metal forming orders to $69.15 million for the month.

Compared to October a year ago, orders are up 48.4%, with a 51.4% improvement in metal cutting and a 40.3% improvement in metal forming machine orders.

Machine tools orders for the first 10 months of 1987 stand at $1,740.00 million, 6.3% below the $1,856.15 million for the same period in 1986. Metal cutting equipment orders for 1987 are 13.5% below the figure for a year ago, while those for metal forming equipment are up 14.2% for the same period.

James A. Gray, president of the National Machine Tool Builders' Association, said, "It is good to see the October order figures, which are the highest of the year. The improvement over the same period a year ago is especially encouraging. However, two months do not make a recovery. It will require several more months of $250-million-plus orders to set an industry trend -- both orders and shipments for the year so far are below last year's levels.

(MORE)

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"There has been growth in export orders -- although they were not up in October -- and that is encouraging. The growth reflects the more realistic exchange rates that currently prevail. Given an equal chance, American machine tool manufacturers can compete! U.S. producers have always been innovative and technically up to date. Now we can once again offer our products at a competitive price."

October machine tool shipments were up 4.5% compared to September, rising from $200.45 million to $209.55 million. Shipments of metal cutting machine tools fell 5.8% to $134.75 million, while shipments of metal forming equipment rose 30.4% to $74.80 million.

Compared to October a year ago, total shipments were off 13.7% with metal cutting shipments down 26.6% and metal forming shipments up 26.1%. The year-to-date shipment total stands at $1,857.10 million, a 13.2% drop compared to the same period a year ago. This figure represents a 15.0% drop in metal cutting shipments and an 8.4% drop in metal forming shipments for the period.

Machine tool backlogs for October 1987 rose to $1,087.25 million, up from $1,029.50 million in September.

# # #

COMPARISON CHART

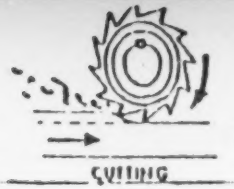
NET NEW ORDERS -- MACHINE TOOLS
(Millions of Dollars)

	METAL CUTTING			METAL FORMING			TOTAL Cutting and Forming		
	Domestic	Foreign	Total	Domestic	Foreign	Total	Domestic	Foreign	Total
OCT 1987	187.15	11.00	198.15	59.45	9.70	69.15	246.60	20.70	267.30
SEP 1987	116.75	9.35	126.10	40.35	16.40	56.75	157.10	25.75	182.85
% CHANGE									
OCT 1987:SEP 1987	+60.3	+17.6	+57.1	+47.3	-40.9	+21.9	+57.0	-19.6	+46.2
OCT 1986	114.95	15.90	130.85	44.45	4.85	49.30	159.40	20.75	180.15
% CHANGE									
OCT 1987:OCT 1986	+62.8	-30.8	+51.4	+33.7	+100.0	+40.3	+54.7	-0.2	+48.4
YEAR TO DATE 1987	1,073.90	114.20	1,188.10	444.95	106.95	551.90	1,518.85	221.15	1,740.00
YEAR TO DATE 1986	1,226.65	146.40	1,373.05	427.45	55.65	483.10	1,654.10	202.05	1,856.15
% CHANGE									
1987 : 1986	-12.5	-22.0	-13.5	+4.1	+92.2	+14.2	-8.2	+9.5	-6.3

SHIPMENTS -- MACHINE TOOLS
(Millions of Dollars)

	METAL CUTTING			METAL FORMING			TOTAL Cutting and Forming		
	Domestic	Foreign	Total	Domestic	Foreign	Total	Domestic	Foreign	Total
OCT 1987	117.90	16.85	134.75	63.25	11.55	74.80	181.15	28.40	209.55
SEP 1987	126.65	16.45	143.10	48.00	9.35	57.35	174.65	25.80	200.45
% CHANGE									
OCT 1987:SEP 1987	-6.9	+2.4	-5.8	+31.8	+23.5	+30.4	+3.7	+10.1	+4.5
OCT 1986	170.40	13.10	183.50	52.40	6.90	59.30	222.80	20.00	242.80
% CHANGE									
OCT 1987:OCT 1986	-30.8	+28.6	-26.6	+20.7	+67.4	+26.1	-18.7	+42.0	-13.7
YEAR TO DATE 1987	1,179.70	144.55	1,324.25	455.45	77.40	532.85	1,635.15	221.95	1,857.10
YEAR TO DATE 1986	1,391.20	167.30	1,558.50	533.45	48.50	581.95	1,924.65	215.80	2,140.45
% CHANGE									
1987 : 1986	-15.2	-13.6	-15.0	-14.6	+59.6	-8.4	-15.0	+2.8	-13.2

Source: National Machine Tool Builders' Association



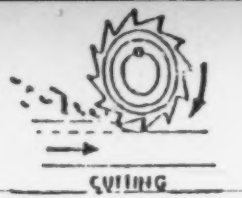
TOTAL INDUSTRY ESTIMATE
MACHINE TOOLS - CUTTING AND FORMING
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)

DATE	NET NEW ORDERS Domestic	Foreign	Total	Order Backlog	SHIPMENTS Domestic	Foreign	Total
1986	$ 1,883.35	$ 241.95	$ 2,125.30	1,204.35	$ 2,306.05	$ 272.45	$ 2,578.50
1987							
JAN	$ 118.55	$ 28.10	$ 146.65	1,203.30	$ 135.35	$ 12.35	$ 147.70
FEB	$ 141.45	$ 11.40	$ 152.85	1,209.55	$ 131.45	$ 15.15	$ 146.60
MAR	$ 136.25	$ 27.95	$ 164.20	1,191.25	$ 154.05	$ 28.45	$ 182.50
APR	$ 110.15	$ 20.15	$ 130.30	1,149.20	$ 150.15	$ 22.20	$ 172.35
MAY	$ 176.10	$ 12.00	$ 188.10	1,128.70	$ 189.80	$ 18.80	$ 208.60
JUN	$ 177.30	$ 25.45	$ 202.75	1,098.30	$ 202.85	$ 30.30	$ 233.15
JUL	$ 128.50	$ 34.50	$ 163.00	1,063.50	$ 182.25	$ 15.55	$ 197.80
AUG	$ 126.85	$ 15.15	$ 142.00	1,047.10	$ 133.45	$ 24.95	$ 158.40
SEP	$ 157.10	$ 25.75	$ 182.85	1,029.50	$ 174.65	$ 25.80	$ 200.45
OCT (P)	$ 246.60	$ 20.70	$ 267.30	1,087.25	$ 181.15	$ 28.40	$ 209.55
10 MONTHS	$ 1,518.85	$ 221.15	$ 1,740.00		$ 1,635.15	$ 221.95	$ 1,857.10

DATE	GROSS NEW ORDERS Domestic	Foreign	Total	CANCELLATIONS Domestic	Foreign	Total
1986	$ 2,065.20	$ 257.20	$ 2,322.40	$ 181.85	$ 15.25	$ 197.10
1987						
JAN	$ 124.60	$ 28.20	$ 152.80	$ 6.05	$ .10	$ 6.15
FEB	$ 147.45	$ 13.60	$ 161.05	$ 6.00	$ 2.20	$ 8.20
MAR	$ 165.05	$ 30.05	$ 195.10	$ 28.80	$ 2.10	$ 30.90
APR	$ 119.60	$ 21.05	$ 140.65	$ 9.45	$ .90	$ 10.35
MAY	$ 180.40	$ 12.95	$ 193.35	$ 4.30	$ .95	$ 5.25
JUN	$ 182.05	$ 26.10	$ 208.15	$ 4.75	$ .65	$ 5.40
JUL	$ 141.60	$ 34.60	$ 176.20	$ 13.10	$ .10	$ 13.20
AUG	$ 137.10	$ 16.20	$ 153.30	$ 10.25	$ 1.05	$ 11.30
SEP	$ 168.10	$ 29.40	$ 197.50	$ 11.00	$ 3.65	$ 14.65
OCT (P)	$ 252.10	$ 21.75	$ 273.85	$ 5.50	$ 1.05	$ 6.55
10 MONTHS	$ 1,618.05	$ 233.90	$ 1,851.95	$ 99.20	$ 12.75	$ 111.95

P - Preliminary

NOTE: This table includes industry estimate figures based on reports submitted to the National Machine Tool Builders' Association. These industry estimates have not been adjusted for change in the value of the dollar.



INDUSTRY ESTIMATE
METAL CUTTING TYPE MACHINE TOOLS
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)

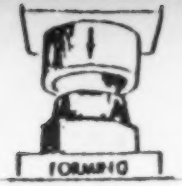
DATE	NET NEW ORDERS Domestic	Foreign	Total	Order Backlog	SHIPMENTS Domestic	Foreign	Total
1986	$ 1,376.55	$ 167.70	$ 1,544.25	897.25	$ 1,684.70	$ 205.60	$ 1,890.30
1987							
JAN	$ 85.65	$ 13.30	$ 98.95	884.95	$ 104.10	$ 7.15	$ 111.25
FEB	$ 98.35	$ 5.35	$ 103.70	889.40	$ 88.80	$ 10.45	$ 99.25
MAR	$ 107.55	$ 15.90	$ 123.45	874.20	$ 118.20	$ 20.45	$ 138.65
APR	$ 65.15	$ 14.40	$ 79.55	837.90	$ 102.10	$ 13.75	$ 115.85
MAY	$ 139.60	$ 5.20	$ 144.80	821.05	$ 146.00	$ 15.65	$ 161.65
JUN	$ 98.85	$ 16.10	$ 114.95	770.90	$ 148.20	$ 16.90	$ 165.10
JUL	$ 84.60	$ 17.50	$ 102.10	736.70	$ 127.90	$ 8.40	$ 136.30
AUG	$ 90.25	$ 6.10	$ 96.35	714.70	$ 99.85	$ 18.50	$ 118.35
SEP	$ 116.75	$ 9.35	$ 126.10	697.70	$ 126.65	$ 16.45	$ 143.10
OCT (P)	$ 187.15	$ 11.00	$ 198.15	761.10	$ 117.90	$ 16.85	$ 134.75
10 MONTHS	$ 1,073.90	$ 114.20	$ 1,188.10		$ 1,179.70	$ 144.55	$ 1,324.25

DATE	GROSS NEW ORDERS Domestic	Foreign	Total	CANCELLATIONS Domestic	Foreign	Total
1986	$ 1,498.60	$ 176.35	$ 1,674.95	$ 122.05	$ 8.65	$ 130.70
1987						
JAN	$ 90.30	$ 13.35	$ 103.65	$ 4.65	$ .05	$ 4.70
FEB	$ 101.55	$ 7.50	$ 109.05	$ 3.20	$ 2.15	$ 5.35
MAR	$ 114.00	$ 17.95	$ 131.95	$ 6.45	$ 2.05	$ 8.50
APR	$ 73.35	$ 14.75	$ 88.10	$ 8.20	$ .35	$ 8.55
MAY	$ 143.55	$ 5.60	$ 149.15	$ 3.95	$ .40	$ 4.35
JUN	$ 101.65	$ 16.60	$ 118.25	$ 2.80	$ .50	$ 3.30
JUL	$ 96.40	$ 17.55	$ 113.95	$ 11.80	$ .05	$ 11.85
AUG	$ 94.00	$ 6.55	$ 100.55	$ 3.75	$ .45	$ 4.20
SEP	$ 124.20	$ 12.95	$ 137.15	$ 7.45	$ 3.60	$ 11.05
OCT (P)	$ 189.55	$ 11.20	$ 200.75	$ -2.40	$ .20	$ 2.60
10 MONTHS	$ 1,128.55	$ 124.00	$ 1,252.55	$ 54.65	$ 9.80	$ 64.45

P - Preliminary

NOTE: This table includes industry estimate figures based on reports submitted to the National Machine Tool Builders' Association. These industry estimates have not been adjusted for change in the value of the dollar.

INDUSTRY ESTIMATE
METAL FORMING TYPE MACHINE TOOLS
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)



DATE	NET NEW ORDERS Domestic	Foreign	Total	Order Backlog	SHIPMENTS Domestic	Foreign	Total
1986	$ 506.80	$ 74.25	$ 581.05	307.10	$ 621.35	$ 66.85	$ 688.20
1987							
JAN	$ 32.90	$ 14.80	$ 47.70	318.35	$ 31.25	$ 5.20	$ 36.45
FEB	$ 43.10	$ 6.05	$ 49.15	320.15	$ 42.65	$ 4.70	$ 47.35
MAR	$ 28.70	$ 12.05	$ 40.75	317.05	$ 35.85	$ 8.00	$ 43.85
APR	$ 45.00	$ 5.75	$ 50.75	311.30	$ 48.05	$ 8.45	$ 56.50
MAY	$ 36.50	$ 6.80	$ 43.30	307.65	$ 43.80	$ 3.15	$ 46.95
JUN	$ 78.45	$ 9.35	$ 87.80	327.40	$ 54.65	$ 13.40	$ 68.05
JUL	$ 43.90	$ 17.00	$ 60.90	326.80	$ 54.35	$ 7.15	$ 61.50
AUG	$ 36.60	$ 9.05	$ 45.65	332.40	$ 33.60	$ 6.45	$ 40.05
SEP	$ 40.35	$ 16.40	$ 56.75	331.80	$ 48.00	$ 9.35	$ 57.35
OCT (P)	$ 59.45	$ 9.70	$ 69.15	326.15	$ 63.25	$ 11.55	$ 74.80
10 MONTHS	$ 444.95	$ 106.95	$ 551.90		$ 455.45	$ 77.40	$ 532.85

DATE	GROSS NEW ORDERS Domestic	Foreign	Total	CANCELLATIONS Domestic	Foreign	Total
1986	$ 566.60	$ 80.85	$ 647.45	$ 59.80	$ 6.60	$ 66.40
1987						
JAN	$ 34.30	$ 14.85	$ 49.15	$ 1.40	$ .05	$ 1.45
FEB	$ 45.90	$ 6.10	$ 52.00	$ 2.80	$ .05	$ 2.85
MAR	$ 51.05	$ 12.10	$ 63.15	$ 22.35	$ .05	$ 22.40
APR	$ 46.25	$ 6.30	$ 52.55	$ 1.25	$ .55	$ 1.80
MAY	$ 36.85	$ 7.35	$ 44.20	$ .35	$ .55	$ .90
JUN	$ 80.40	$ 9.50	$ 89.90	$ 1.95	$ .15	$ 2.10
JUL	$ 45.20	$ 17.05	$ 62.25	$ 1.30	$ .05	$ 1.35
AUG	$ 43.10	$ 9.65	$ 52.75	$ 6.50	$ .60	$ 7.10
SEP	$ 43.90	$ 16.45	$ 60.35	$ 3.55	$ .05	$ 3.60
OCT (P)	$ 62.55	$ 10.55	$ 73.10	$ 3.10	$ .85	$ 3.95
10 MONTHS	$ 489.50	$ 109.90	$ 599.40	$ 44.55	$ 2.95	$ 47.50

P - Preliminary

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News Release

national machine tool builders association
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For release: December 28, 1987
Contact: Charles Pollock

MACHINE TOOL ORDERS DOWN IN NOVEMBER

Net new machine tool orders dropped 49% during November, the largest month-to-month change this year. Orders for the month were $137,300,000. However, when compared to November 1986, orders actually increased 4%.

Shipments in November also declined. The month-to-month drop was only 15%, however. Compared to November 1986, this November's shipments were 7% higher at a total value of $178,050,000.

"Even though some of the drop is due to a very good October, I cannot remember a month-to-month decline of this magnitude," said James A. Gray, president of the National Machine Tool Builders' Association. "There certainly hasn't been one in this decade. It's fortunate that export orders rose 70% this month, otherwise the drop would have been even more devastating."

"The order decline hit both segments of the machine tool industry," stated Gray. "The metal forming machine builders were down 30%, while the metal cutting machine segment of the industry suffered a 55% order decline."

At the end of November, the industry backlog was $1,046,500,000 -- less than six months' production at the November rate. For the first 11 months of the year, orders are off 6% and shipments are down 12%.

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COMPARISON CHART

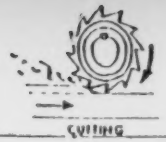
NET NEW ORDERS -- MACHINE TOOLS
(Millions of Dollars)

	METAL CUTTING			METAL FORMING			TOTAL Cutting and Forming		
	Domestic	Foreign	Total	Domestic	Foreign	Total	Domestic	Foreign	Total
NOV 1987	65.75	23.35	89.10	36.35	11.85	48.20	102.10	35.20	137.30
OCT 1987	187.15	11.00	198.15	59.55	9.70	69.25	246.70	20.70	267.40
% CHANGE									
NOV 1987:OCT 1987	-64.9	+112.3	-55.0	-39.0	+22.2	-30.4	-58.6	+70.0	-48.7
NOV 1986	75.85	8.10	83.95	42.30	6.35	48.65	118.15	14.45	132.60
% CHANGE									
NOV 1987:NOV 1986	-13.3	+188.3	+6.1	-14.1	+86.6	-0.9	-13.6	+143.6	+3.5
YEAR TO DATE 1987	1,139.65	137.55	1,277.20	481.40	118.80	600.20	1,621.05	256.35	1,877.40
YEAR TO DATE 1986	1,302.50	154.50	1,457.00	469.75	62.00	531.75	1,772.25	216.50	1,988.75
% CHANGE									
1987 : 1986	-12.5	-11.0	-12.3	+2.5	+91.6	+12.9	-8.5	+18.4	-5.6

SHIPMENTS -- MACHINE TOOLS
(Millions of Dollars)

	METAL CUTTING			METAL FORMING			TOTAL Cutting and Forming		
	Domestic	Foreign	Total	Domestic	Foreign	Total	Domestic	Foreign	Total
NOV 1987	110.20	15.75	125.95	38.40	13.70	52.10	148.60	29.45	178.05
OCT 1987	117.95	16.90	134.85	63.25	11.55	74.80	181.20	28.45	209.65
% CHANGE									
NOV 1987:OCT 1987	-6.6	-6.8	-6.6	-39.3	+18.6	-30.3	-18.0	+3.5	-15.1
NOV 1986	104.40	12.40	116.80	44.70	5.30	50.00	149.10	17.70	166.80
% CHANGE									
NOV 1987:NOV 1986	+5.6	+27.0	+7.8	-14.1	+158.5	+4.2	-0.3	+66.4	+6.7
YEAR TO DATE 1987	1,289.95	160.35	1,450.30	493.85	91.10	584.95	1,783.80	251.45	2,035.25
YEAR TO DATE 1986	1,495.60	179.70	1,675.30	578.15	53.80	631.95	2,073.75	233.50	2,307.25
% CHANGE									
1987 : 1986	-13.8	-10.8	-13.4	-14.6	+69.3	-7.4	-14.0	+7.7	-11.8

Source: National Machine Tool Builders' Association



TOTAL INDUSTRY ESTIMATE
MACHINE TOOLS - CUTTING AND FORMING
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)

DATE	NET NEW ORDERS Domestic	Foreign	Total	Order Backlog	SHIPMENTS Domestic	Foreign	Total
1986	$ 1,883.35	$ 241.95	$ 2,125.30	1,204.35	$ 2,306.05	$ 272.45	$ 2,578.50
1987							
JAN	$ 118.55	$ 28.10	$ 146.65	1,203.30	$ 135.35	$ 12.35	$ 147.70
FEB	$ 141.45	$ 11.40	$ 152.85	1,209.55	$ 131.45	$ 15.15	$ 146.60
MAR	$ 136.25	$ 27.95	$ 164.20	1,191.25	$ 154.05	$ 28.45	$ 182.50
APR	$ 110.15	$ 20.15	$ 130.30	1,149.20	$ 150.15	$ 22.20	$ 172.35
MAY	$ 176.10	$ 12.00	$ 188.10	1,128.70	$ 189.80	$ 18.80	$ 208.60
JUN	$ 177.30	$ 25.45	$ 202.75	1,098.30	$ 202.85	$ 30.30	$ 233.15
JUL	$ 128.50	$ 34.50	$ 163.00	1,063.50	$ 182.25	$ 15.55	$ 197.80
AUG	$ 126.85	$ 15.15	$ 142.00	1,047.10	$ 133.45	$ 24.95	$ 158.40
SEP	$ 157.10	$ 25.75	$ 182.85	1,029.50	$ 174.65	$ 25.80	$ 200.45
OCT	$ 246.70	$ 20.70	$ 267.40	1,087.25	$ 181.20	$ 28.45	$ 209.65
NOV (P)	$ 102.10	$ 35.20	$ 137.30	1,046.50	$ 148.60	$ 29.45	$ 178.05
11 MONTHS	$ 1,621.05	$ 256.35	$ 1,877.40		$ 1,783.80	$ 251.45	$ 2,035.25

DATE	GROSS NEW ORDERS Domestic	Foreign	Total	CANCELLATIONS Domestic	Foreign	Total
1986	$ 2,065.20	$ 257.20	$ 2,322.40	$ 181.85	$ 15.25	$ 197.10
1987						
JAN	$ 124.60	$ 28.20	$ 152.80	$ 6.05	$ .10	$ 6.15
FEB	$ 147.45	$ 13.60	$ 161.05	$ 6.00	$ 2.20	$ 8.20
MAR	$ 165.05	$ 30.05	$ 195.10	$ 28.80	$ 2.10	$ 30.90
APR	$ 119.60	$ 21.05	$ 140.65	$ 9.45	$ .90	$ 10.35
MAY	$ 180.40	$ 12.95	$ 193.35	$ 4.30	$ .95	$ 5.25
JUN	$ 182.05	$ 26.10	$ 208.15	$ 4.75	$ .65	$ 5.40
JUL	$ 141.60	$ 34.60	$ 176.20	$ 13.10	$ .10	$ 13.20
AUG	$ 137.10	$ 16.20	$ 153.30	$ 10.25	$ 1.05	$ 11.30
SEP	$ 168.10	$ 29.40	$ 197.50	$ 11.00	$ 3.65	$ 14.65
OCT	$ 252.20	$ 21.75	$ 273.95	$ 5.50	$ 1.05	$ 6.55
NOV (P)	$ 111.40	$ 37.20	$ 148.60	$ 9.30	$ 2.00	$ 11.30
11 MONTHS	$ 1,729.55	$ 271.10	$ 2,000.65	$ 108.50	$ 14.75	$ 123.25

P - Preliminary

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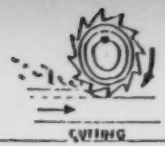

INDUSTRY ESTIMATE
METAL CUTTING TYPE MACHINE TOOLS
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)

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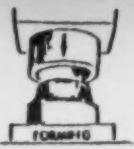
JAN	$ 85.65	$ 13.30	$ 98.95	884.95	$ 104.10	$ 7.15	$ 111.25
FEB	$ 98.35	$ 5.35	$ 103.70	889.40	$ 88.80	$ 10.45	$ 99.25
MAR	$ 107.55	$ 15.90	$ 123.45	874.20	$ 118.20	$ 20.45	$ 138.65
APR	$ 65.15	$ 14.40	$ 79.55	837.90	$ 102.10	$ 13.75	$ 115.85
MAY	$ 139.60	$ 5.20	$ 144.80	821.05	$ 146.00	$ 15.65	$ 161.65
JUN	$ 98.85	$ 16.10	$ 114.95	770.90	$ 148.20	$ 16.90	$ 165.10
JUL	$ 84.60	$ 17.50	$ 102.10	736.70	$ 127.90	$ 8.40	$ 136.30
AUG	$ 90.25	$ 6.10	$ 96.35	714.70	$ 99.85	$ 18.50	$ 118.35
SEP	$ 116.75	$ 9.35	$ 126.10	697.70	$ 126.65	$ 16.45	$ 143.10
OCT	$ 187.15	$ 11.00	$ 198.15	761.00	$ 117.95	$ 16.90	$ 134.85
NOV (P)	$ 65.75	$ 23.35	$ 89.10	724.15	$ 110.20	$ 15.75	$ 125.95
11 MONTHS	$ 1,139.65	$ 137.55	$ 1,277.20		$ 1,289.95	$ 160.35	$ 1,450.30

DATE	GROSS NEW ORDERS Domestic	Foreign	Total	CANCELLATIONS Domestic	Foreign	Total
1986	$ 1,498.60	$ 176.35	$ 1,674.95	$ 122.05	$ 8.65	$ 130.70
1987						
JAN	$ 90.30	$ 13.35	$ 103.65	$ 4.65	$ .05	$ 4.70
FEB	$ 101.55	$ 7.50	$ 109.05	$ 3.20	$ 2.15	$ 5.35
MAR	$ 114.00	$ 17.95	$ 131.95	$ 6.45	$ 2.05	$ 8.50
APR	$ 73.35	$ 14.75	$ 88.10	$ 8.20	$ .35	$ 8.55
MAY	$ 143.55	$ 5.60	$ 149.15	$ 3.95	$ .40	$ 4.35
JUN	$ 101.65	$ 16.60	$ 118.25	$ 2.80	$ .50	$ 3.30
JUL	$ 96.40	$ 17.55	$ 113.95	$ 11.80	$ .05	$ 11.85
AUG	$ 94.00	$ 6.55	$ 100.55	$ 3.75	$ .45	$ 4.20
SEP	$ 124.20	$ 12.95	$ 137.15	$ 7.45	$ 3.60	$ 11.05
OCT	$ 189.55	$ 11.20	$ 200.75	$ 2.40	$ .20	$ 2.60
NOV (P)	$ 73.95	$ 23.60	$ 97.55	$ 8.20	$ .25	$ 8.45
11 MONTHS	$ 1,202.50	$ 147.60	$ 1,350.10	$ 62.85	$ 10.05	$ 72.90

P – Preliminary

NOTE: This table includes industry estimate figures based on reports submitted to the National Machine Tool Builders' Association. These industry estimates have not been adjusted for change in the value of the dollar.

INDUSTRY ESTIMATE
METAL FORMING TYPE MACHINE TOOLS
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)



DATE	NET NEW ORDERS Domestic	Foreign	Total	Order Backlog	SHIPMENTS Domestic	Foreign	Total
1986	$ 506.80	$ 74.25	$ 581.05	307.10	$ 621.35	$ 66.85	$ 688.20
1987							
JAN	$ 32.90	$ 14.80	$ 47.70	318.35	$ 31.25	$ 5.20	$ 36.45
FEB	$ 43.10	$ 6.05	$ 49.15	320.15	$ 42.65	$ 4.70	$ 47.35
MAR	$ 28.70	$ 12.05	$ 40.75	317.05	$ 35.85	$ 8.00	$ 43.85
APR	$ 45.00	$ 5.75	$ 50.75	311.30	$ 48.05	$ 8.45	$ 56.50
MAY	$ 36.50	$ 6.80	$ 43.30	307.65	$ 43.80	$ 3.15	$ 46.95
JUN	$ 78.45	$ 9.35	$ 87.80	327.40	$ 54.65	$ 13.40	$ 68.05
JUL	$ 43.90	$ 17.00	$ 60.90	326.80	$ 54.35	$ 7.15	$ 61.50
AUG	$ 36.60	$ 9.05	$ 45.65	332.40	$ 33.60	$ 6.45	$ 40.05
SEP	$ 40.35	$ 16.40	$ 56.75	331.80	$ 48.00	$ 9.35	$ 57.35
OCT	$ 59.55	$ 9.70	$ 69.25	326.25	$ 63.25	$ 11.55	$ 74.80
NOV (P)	$ 36.35	$ 11.85	$ 48.20	322.35	$ 38.40	$ 13.70	$ 52.10
11 MONTHS	$ 481.40	$ 118.80	$ 600.20		$ 493.85	$ 91.10	$ 584.95

DATE	GROSS NEW ORDERS Domestic	Foreign	Total	CANCELLATIONS Domestic	Foreign	Total
1986	$ 566.60	$ 80.85	$ 647.45	$ 59.80	$ 6.60	$ 66.40
1987						
JAN	$ 34.30	$ 14.85	$ 49.15	$ 1.40	$ .05	$ 1.45
FEB	$ 45.90	$ 6.10	$ 52.00	$ 2.80	$ .05	$ 2.85
MAR	$ 51.05	$ 12.10	$ 63.15	$ 22.35	$ .05	$ 22.40
APR	$ 46.25	$ 6.30	$ 52.55	$ 1.25	$ .55	$ 1.80
MAY	$ 36.85	$ 7.35	$ 44.20	$ .35	$ .55	$ .90
JUN	$ 80.40	$ 9.50	$ 89.90	$ 1.95	$ .15	$ 2.10
JUL	$ 45.20	$ 17.05	$ 62.25	$ 1.30	$ .05	$ 1.35
AUG	$ 43.10	$ 9.65	$ 52.75	$ 6.50	$ .60	$ 7.10
SEP	$ 43.90	$ 16.45	$ 60.35	$ 3.55	$ .05	$ 3.60
OCT	$ 62.65	$ 10.55	$ 73.20	$ 3.10	$ .85	$ 3.95
NOV (P)	$ 37.45	$ 13.60	$ 51.05	$ 1.10	$ 1.75	$ 2.85
11 MONTHS	$ 527.05	$ 123.50	$ 650.55	$ 45.65	$ 4.70	$ 50.35

P - Preliminary

NOTE: This table includes industry estimate figures based on reports submitted to the National Machine Tool Builders' Association. These industry estimates have not been adjusted for change in the value of the dollar.

2/88 A-1050-1

News Release

national machine tool builders association
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FOR RELEASE: January 25, 1988
Contact: Charles Pollock
Ed Bowers

DECEMBER MACHINE TOOL ORDERS RISE

December net new machine tool orders rose 76.7% compared to November, according to figures released today by the National Machine Tool Builders' Association. The $242.55 million total for the month represents a 96.9% rise to $175.45 million in orders for metal cutting equipment and a 39.2% rise to $67.10 million in metal forming orders.

Orders for domestically produced machine tools held their own in 1987, closing out the year at $2,119.95 million, a small 0.3% drop from the $2,125.30 million total for 1986. Metal cutting machine tool orders fell 5.9% for the year while metal forming orders were up by 14.8%. The December 1987 total was 77.6% above the December 1986 total, reflecting a 101.1% rise in metal cutting orders and a 36.1% rise in metal forming orders.

James A. Gray, NMTBA president, said, "We are pleased to see 1987 end on a high note. This has been a year of wide fluctuations in orders, rising sharply one month only to fall just as sharply the next. It is worth noting that the order pattern appears to be

(MORE)

NMTBA sponsors the INTERNATIONAL MACHINE TOOL SHOW IMTS The world of manufacturing technology

COMPARISON CHART

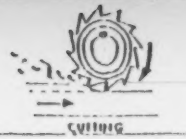
NET NEW ORDERS -- MACHINE TOOLS
(Millions of Dollars)

	METAL CUTTING			METAL FORMING			TOTAL Cutting and Forming		
	Domestic	Foreign	Total	Domestic	Foreign	Total	Domestic	Foreign	Total
DEC 1987	156.65	18.80	175.45	54.60	12.50	67.10	211.25	31.30	242.55
NOV 1987	65.75	23.35	89.10	36.35	11.85	48.20	102.10	35.20	137.30
% CHANGE									
DEC 1987:NOV 1987	+138.3	-19.5	+96.9	+50.2	+5.5	+39.2	+106.9	-11.1	+76.7
DEC 1986	74.05	13.20	87.25	37.05	12.25	49.30	111.10	25.45	136.55
% CHANGE									
DEC 1987:DEC 1986	+111.5	+42.4	+101.1	+47.4	+2.0	+36.1	+90.1	+23.0	+77.6
YEAR TO DATE 1987	1,296.30	156.35	1,452.65	536.00	131.30	667.30	1,832.30	287.65	2,119.95
YEAR TO DATE 1986	1,376.55	167.70	1,544.25	506.80	74.25	581.05	1,883.35	241.95	2,125.30
% CHANGE									
1987 : 1986	-5.8	-6.8	-5.9	+5.8	+76.8	+14.8	-2.7	+18.9	-0.3

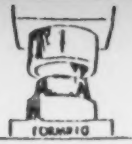
SHIPMENTS -- MACHINE TOOLS
(Millions of Dollars)

	METAL CUTTING			METAL FORMING			TOTAL Cutting and Forming		
	Domestic	Foreign	Total	Domestic	Foreign	Total	Domestic	Foreign	Total
DEC 1987	207.60	17.65	225.25	43.95	18.15	62.10	251.55	35.80	287.35
NOV 1987	110.20	15.75	125.95	38.40	13.70	52.10	148.60	29.45	178.05
% CHANGE									
DEC 1987:NOV 1987	+88.4	+12.1	+78.8	+14.5	+32.5	+19.2	+69.3	+21.6	+61.4
DEC 1986	189.10	25.90	215.00	43.20	13.05	56.25	232.30	38.95	271.25
% CHANGE									
DEC 1987:DEC 1986	+9.8	-31.9	+4.8	+1.7	+39.1	+10.4	+8.3	-8.1	+5.9
YEAR TO DATE 1987	1,497.55	178.00	1,675.55	537.80	109.25	647.05	2,035.35	287.25	2,322.60
YEAR TO DATE 1986	1,684.70	205.60	1,890.30	621.35	66.85	688.20	2,306.05	272.45	2,578.50
% CHANGE									
1987 : 1986	-11.1	-13.4	-11.4	-13.4	+63.4	-6.0	-11.7	+5.4	-9.9

Source: National Machine Tool Builders' Association



TOTAL INDUSTRY ESTIMATE
MACHINE TOOLS - CUTTING AND FORMING
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)



DATE	NET NEW ORDERS Domestic	Foreign	Total	Order-Backlog	SHIPMENTS Domestic	Foreign	Total
1986	$ 1,883.35	$ 241.95	$ 2,125.30	1,204.35	$ 2,306.05	$ 272.45	$ 2,578.50
1987							
JAN	$ 118.55	$ 28.10	$ 146.65	1,203.30	$ 135.35	$ 12.35	$ 147.70
FEB	$ 141.45	$ 11.40	$ 152.85	1,209.55	$ 131.45	$ 15.15	$ 146.60
MAR	$ 136.25	$ 27.95	$ 164.20	1,191.25	$ 154.05	$ 28.45	$ 182.50
APR	$ 110.15	$ 20.15	$ 130.30	1,149.20	$ 150.15	$ 22.20	$ 172.35
MAY	$ 176.10	$ 12.00	$ 188.10	1,128.70	$ 189.80	$ 18.80	$ 208.60
JUN	$ 177.30	$ 25.45	$ 202.75	1,098.30	$ 202.85	$ 30.30	$ 233.15
JUL	$ 128.50	$ 34.50	$ 163.00	1,063.50	$ 182.25	$ 15.55	$ 197.80
AUG	$ 126.85	$ 15.15	$ 142.00	1,047.10	$ 133.45	$ 24.95	$ 158.40
SEP	$ 157.10	$ 25.75	$ 182.85	1,029.50	$ 174.65	$ 25.80	$ 200.45
OCT	$ 246.70	$ 20.70	$ 267.40	1,087.25	$ 181.20	$ 28.45	$ 209.65
NOV	$ 102.10	$ 35.20	$ 137.30	1,046.50	$ 148.60	$ 29.45	$ 178.05
DEC (P)	$ 211.25	$ 31.30	$ 242.55	1,001.70	$ 251.55	$ 35.80	$ 287.35
12 MONTHS	$ 1,832.30	$ 287.65	$ 2,119.95		$ 2,035.35	$ 287.25	$ 2,322.60

DATE	GROSS NEW ORDERS Domestic	Foreign	Total	CANCELLATIONS Domestic	Foreign	Total
1986	$ 2,065.20	$ 257.20	$ 2,322.40	$ 181.85	$ 15.25	$ 197.10
1987						
JAN	$ 124.60	$ 28.20	$ 152.80	$ 6.05	$ .10	$ 6.15
FEB	$ 147.45	$ 13.60	$ 161.05	$ 6.00	$ 2.20	$ 8.20
MAR	$ 165.05	$ 30.05	$ 195.10	$ 28.80	$ 2.10	$ 30.90
APR	$ 119.60	$ 21.05	$ 140.65	$ 9.45	$ .90	$ 10.35
MAY	$ 180.40	$ 12.95	$ 193.35	$ 4.30	$ .95	$ 5.25
JUN	$ 182.05	$ 26.10	$ 208.15	$ 4.75	$ .65	$ 5.40
JUL	$ 141.60	$ 34.60	$ 176.20	$ 13.10	$ .10	$ 13.20
AUG	$ 137.10	$ 16.20	$ 153.30	$ 10.25	$ 1.05	$ 11.30
SEP	$ 168.10	$ 29.40	$ 197.50	$ 11.00	$ 3.65	$ 14.65
OCT	$ 252.20	$ 21.75	$ 273.95	$ 5.50	$ 1.05	$ 6.55
NOV	$ 111.40	$ 37.20	$ 148.60	$ 9.30	$ 2.00	$ 11.30
DEC (P)	$ 219.95	$ 31.65	$ 251.60	$ 8.70	$ .35	$ 9.05
12 MONTHS	$ 1,949.50	$ 302.75	$ 2,252.25	$ 117.20	$ 15.10	$ 132.30

P - Preliminary

NOTE: This table includes industry estimate figures based on reports submitted to the National Machine Tool Builders' Association. These industry estimates have not been adjusted for change in the value of the dollar.

INDUSTRY ESTIMATE
METAL CUTTING TYPE MACHINE TOOLS
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)

DATE	NET NEW ORDERS Domestic	Foreign	Total	Order Backlog	SHIPMENTS Domestic	Foreign	Total
1986	$ 1,376.55	$ 167.70	$ 1,544.25	897.25	$ 1,684.70	$ 205.60	$ 1,890.30
1987							
JAN	$ 85.65	$ 13.30	$ 98.95	884.95	$ 104.10	$ 7.15	$ 111.25
FEB	$ 98.35	$ 5.35	$ 103.70	889.40	$ 88.80	$ 10.45	$ 99.25
MAR	$ 107.55	$ 15.90	$ 123.45	874.20	$ 118.20	$ 20.45	$ 138.65
APR	$ 65.15	$ 14.40	$ 79.55	837.90	$ 102.10	$ 13.75	$ 115.85
MAY	$ 139.60	$ 5.20	$ 144.80	821.05	$ 146.00	$ 15.65	$ 161.65
JUN	$ 98.85	$ 16.10	$ 114.95	770.90	$ 148.20	$ 16.90	$ 165.10
JUL	$ 84.60	$ 17.50	$ 102.10	736.70	$ 127.90	$ 8.40	$ 136.30
AUG	$ 90.25	$ 6.10	$ 96.35	714.70	$ 99.85	$ 18.50	$ 118.35
SEP	$ 116.75	$ 9.35	$ 126.10	697.70	$ 126.65	$ 16.45	$ 143.10
OCT	$ 187.15	$ 11.00	$ 198.15	761.00	$ 117.95	$ 16.90	$ 134.85
NOV	$ 65.75	$ 23.35	$ 89.10	724.15	$ 110.20	$ 15.75	$ 125.95
DEC (P)	$ 156.65	$ 18.80	$ 175.45	674.35	$ 207.60	$ 17.65	$ 225.25
12 MONTHS	$ 1,296.30	$ 156.35	$ 1,452.65		$ 1,497.55	$ 178.00	$ 1,675.55

DATE	GROSS NEW ORDERS Domestic	Foreign	Total	CANCELLATIONS Domestic	Foreign	Total
1986	$ 1,498.60	$ 176.35	$ 1,674.95	$ 122.05	$ 8.65	$ 130.70
1987						
JAN	$ 90.30	$ 13.35	$ 103.65	$ 4.65	$ .05	$ 4.70
FEB	$ 101.55	$ 7.50	$ 109.05	$ 3.20	$ 2.15	$ 5.35
MAR	$ 114.00	$ 17.95	$ 131.95	$ 6.45	$ 2.05	$ 8.50
APR	$ 73.35	$ 14.75	$ 88.10	$ 8.20	$ .35	$ 8.55
MAY	$ 143.55	$ 5.60	$ 149.15	$ 3.95	$ .40	$ 4.35
JUN	$ 101.65	$ 16.60	$ 118.25	$ 2.80	$ .50	$ 3.30
JUL	$ 96.40	$ 17.55	$ 113.95	$ 11.80	$ .05	$ 11.85
AUG	$ 94.00	$ 6.55	$ 100.55	$ 3.75	$ .45	$ 4.20
SEP	$ 124.20	$ 12.95	$ 137.15	$ 7.45	$ 3.60	$ 11.05
OCT	$ 189.55	$ 11.20	$ 200.75	$ 2.40	$ .20	$ 2.60
NOV	$ 73.95	$ 23.60	$ 97.55	$ 8.20	$ .25	$ 8.45
DEC (P)	$ 163.80	$ 19.10	$ 182.90	$ 7.15	$ .30	$ 7.45
12 MONTHS	$ 1,366.30	$ 166.70	$ 1,533.00	$ 70.00	$ 10.35	$ 80.35

P - Preliminary

NOTE: This table includes industry estimate figures based on reports submitted to the National Machine Tool Builders' Association. These industry estimates have not been adjusted for change in the value of the dollar.

INDUSTRY ESTIMATE
METAL FORMING TYPE MACHINE TOOLS
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)

DATE	NET NEW ORDERS Domestic	Foreign	Total	Order Backlog	SHIPMENTS Domestic	Foreign	Total
1986	$ 506.80	$ 74.25	$ 581.05	307.10	$ 621.35	$ 66.85	$ 688.20
1987							
JAN	$ 32.90	$ 14.80	$ 47.70	318.35	$ 31.25	$ 5.20	$ 36.45
FEB	$ 43.10	$ 6.05	$ 49.15	320.15	$ 42.65	$ 4.70	$ 47.35
MAR	$ 28.70	$ 12.05	$ 40.75	317.05	$ 35.85	$ 8.00	$ 43.85
APR	$ 45.00	$ 5.75	$ 50.75	311.30	$ 48.05	$ 8.45	$ 56.50
MAY	$ 36.50	$ 6.80	$ 43.30	307.65	$ 43.80	$ 3.15	$ 46.95
JUN	$ 78.45	$ 9.35	$ 87.80	327.40	$ 54.65	$ 13.40	$ 68.05
JUL	$ 43.90	$ 17.00	$ 60.90	326.80	$ 54.35	$ 7.15	$ 61.50
AUG	$ 36.60	$ 9.05	$ 45.65	332.40	$ 33.60	$ 6.45	$ 40.05
SEP	$ 40.35	$ 16.40	$ 56.75	331.80	$ 48.00	$ 9.35	$ 57.35
OCT	$ 59.55	$ 9.70	$ 69.25	326.25	$ 63.25	$ 11.55	$ 74.80
NOV	$ 36.35	$ 11.85	$ 48.20	322.35	$ 38.40	$ 13.70	$ 52.10
DEC (P)	$ 54.60	$ 12.50	$ 67.10	327.35	$ 43.95	$ 18.15	$ 62.10
12 MONTHS	$ 536.00	$ 131.30	$ 667.30		$ 537.80	$ 109.25	$ 647.05

DATE	GROSS NEW ORDERS Domestic	Foreign	Total	CANCELLATIONS Domestic	Foreign	Total
1986	$ 566.60	$ 80.85	$ 647.45	$ 59.80	$ 6.60	$ 66.40
1987						
JAN	$ 34.30	$ 14.85	$ 49.15	$ 1.40	$ .05	$ 1.45
FEB	$ 45.90	$ 6.10	$ 52.00	$ 2.80	$ .05	$ 2.85
MAR	$ 51.05	$ 12.10	$ 63.15	$ 22.35	$ .05	$ 22.40
APR	$ 46.25	$ 6.30	$ 52.55	$ 1.25	$ .55	$ 1.80
MAY	$ 36.85	$ 7.35	$ 44.20	$ .35	$ .55	$ .90
JUN	$ 80.40	$ 9.50	$ 89.90	$ 1.95	$ .15	$ 2.10
JUL	$ 45.20	$ 17.05	$ 62.25	$ 1.30	$ .05	$ 1.35
AUG	$ 43.10	$ 9.65	$ 52.75	$ 6.50	$ .60	$ 7.10
SEP	$ 43.90	$ 16.45	$ 60.35	$ 3.55	$ .05	$ 3.60
OCT	$ 62.65	$ 10.55	$ 73.20	$ 3.10	$ .85	$ 3.95
NOV	$ 37.45	$ 13.60	$ 51.05	$ 1.10	$ 1.75	$ 2.85
DEC (P)	$ 56.15	$ 12.55	$ 68.70	$ 1.55	$ .05	$ 1.60
12 MONTHS	$ 583.20	$ 136.05	$ 719.25	$ 47.20	$ 4.75	$ 51.95

P - Preliminary

NOTE: This table includes industry estimate figures based on reports submitted to the National Machine Tool Builders' Association. These industry estimates have not been adjusted for change in the value of the dollar.

QUARTERLY AND YEARLY SHIPMENTS AND NET NEW ORDERS OF MACHINE TOOLS
(Dollar Figures in Thousands)
1981 to Date

	Cutting and Forming			Cutting			Forming		
	SHIPMENTS		NET	SHIPMENTS		NET	SHIPMENTS		NET
DATE	Total	Foreign	NEW ORDERS	Total	Foreign	NEW ORDERS	Total	Foreign	NEW ORDERS
1981-1	$1,288,200	$210,800	$ 920,350	$1,017,850	$155,600	$ 706,600	$ 270,350	$ 55,200	$ 213,750
2	1,367,500	236,350	867,000	1,103,400	185,450	661,200	264,100	50,900	205,800
3	1,133,950	127,950	593,450	920,300	99,950	455,250	213,650	28,000	138,200
4	1,305,950	143,850	564,050	1,062,950	111,050	405,050	243,000	32,800	159,000
Total	$5,095,600	$718,950	$2,944,850	$4,104,500	$552,050	$2,228,100	$ 991,100	$ 166,900	$ 716,750
1982-1	$1,154,200	$112,650	$ 506,800	$ 933,050	$ 71,750	$ 384,850	$ 221,150	$ 40,900	$ 121,950
2	1,008,450	96,600	382,650	810,650	75,350	274,750	197,800	21,250	107,900
3	783,400	107,200	279,950	640,450	89,750	183,450	142,950	17,450	96,500
4	658,350	89,600	328,350	510,600	59,300	221,400	147,750	30,300	106,950
Total	$3,604,400	$406,050	$1,497,750	$2,894,750	$296,150	$1,064,450	$ 709,650	$ 109,900	$ 433,300
1983-1	$ 487,450	$ 56,650	$ 314,850	$ 370,600	$ 40,800	$ 224,100	$ 116,850	$ 15,850	$ 90,750
2	469,650	58,300	399,100	357,500	49,300	269,300	112,150	9,000	129,800
3	357,050	42,900	468,150	252,350	32,200	322,200	104,700	10,700	145,950
4	530,900	57,150	514,050	391,050	49,600	336,050	139,850	7,550	178,000
Total	$1,845,050	$215,000	$1,696,150	$1,371,500	$171,900	$1,151,650	$ 473,550	$ 43,100	$ 544,500
1984-1	$ 449,500	$ 40,550	$ 600,450	$ 298,100	$ 25,100	$ 412,750	$ 151,400	$ 15,450	$ 187,700
2	572,300	50,700	764,400	401,800	28,250	499,200	170,500	22,450	265,200
3	568,850	41,850	800,200	401,550	24,300	493,000	167,300	17,550	307,200
4	695,200	60,150	750,750	505,050	45,000	510,850	190,150	15,150	239,900
Total	$2,285,850	$193,250	$2,915,800	$1,606,500	$122,650	$1,915,800	$ 679,350	$ 70,600	$1,000,000
1985-1	$ 531,700	$ 48,950	$ 728,250	$ 357,050	$ 37,150	$ 528,500	$ 174,650	$ 11,800	$ 199,750
2	586,050	37,700	641,400	385,000	27,450	475,700	201,050	10,250	165,700
3	654,650	58,250	558,450	443,050	35,950	404,750	211,600	22,300	153,700
4	772,800	108,850	600,000	557,150	93,200	444,150	215,650	15,650	155,850
Total	$2,545,200	$253,750	$2,528,100	$1,742,250	$193,750	$1,853,100	$ 802,950	$ 60,000	$ 675,000
1986-1	$ 597,300	$ 67,500	$ 615,750	$ 386,950	$ 55,200	$ 463,500	$ 210,350	$ 12,300	$ 152,250
2	751,000	64,100	600,600	569,350	49,500	434,650	181,650	14,600	165,950
3	549,350	64,200	459,650	418,700	49,500	344,050	130,650	14,700	115,600
4	680,850	76,650	449,300	515,300	51,400	302,050	165,550	25,250	147,250
Total	$2,578,500	$272,450	$2,125,300	$1,890,300	$205,600	$1,544,250	$ 688,200	$ 66,850	$ 581,050
1987-1	$ 476,800	$ 55,950	$ 463,700	$ 349,150	$ 38,050	$ 326,100	$ 127,650	$ 17,900	$ 137,600
2	614,100	71,300	521,150	442,600	46,300	339,300	171,500	25,000	181,850
3	556,650	66,300	487,850	397,750	43,350	324,550	158,900	22,950	163,300
4P	675,050	93,700	647,250	486,050	50,300	462,700	189,000	43,400	184,550
Total	$2,322,600	$287,250	$2,119,950	$1,675,550	$178,000	$1,452,650	$ 647,050	$ 109,250	$ 667,300

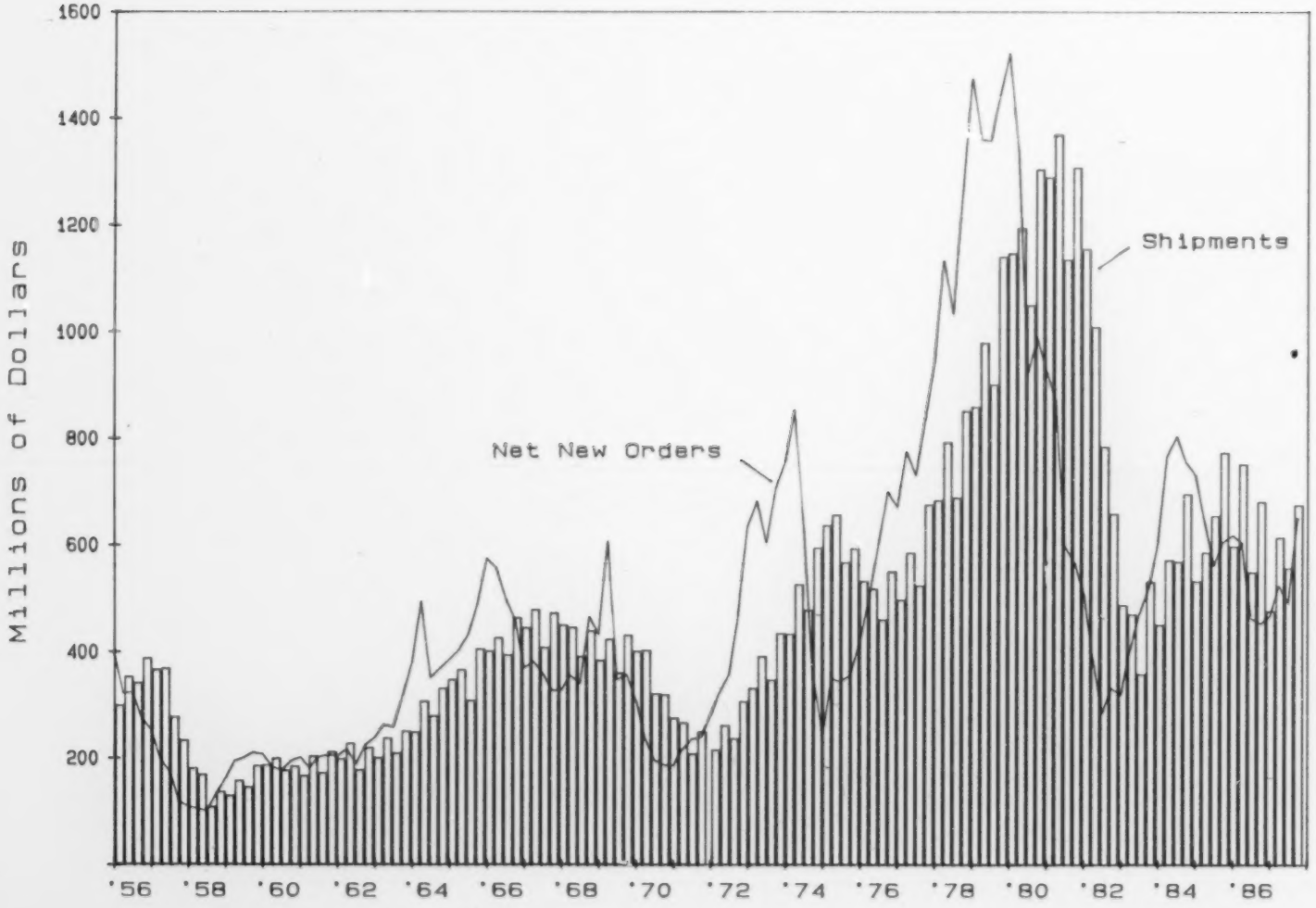
P - Preliminary

NOTE: These data series are available back to 1956. To obtain a copy of the tables for 1956 through 1987, contact: NMTBA Statistical Department, 7901 Westpark Drive, McLean, Virginia 22102-4269. Phone: 703:893-2900

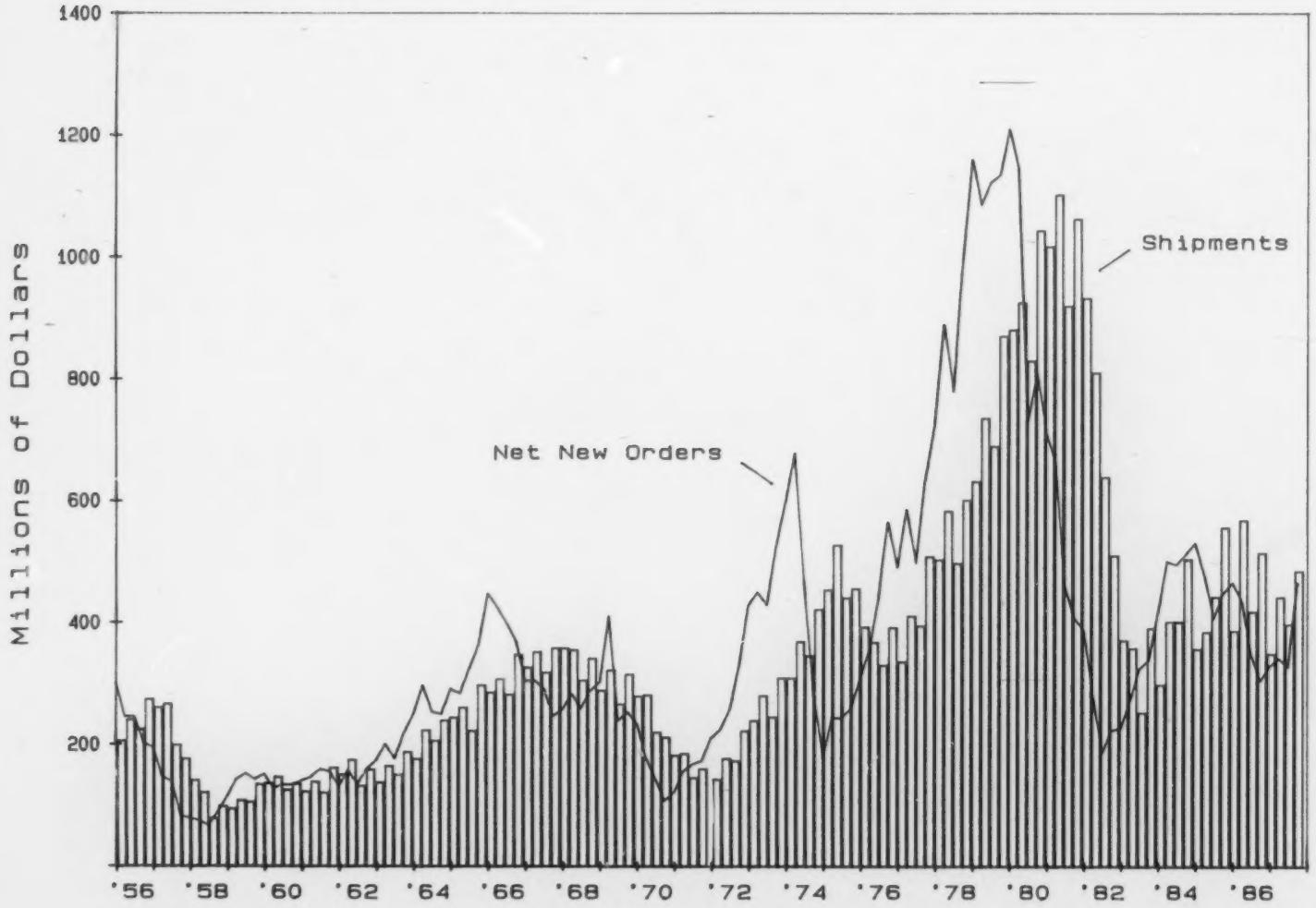
Source: National Machine Tool Builders' Association

January 25, 1987

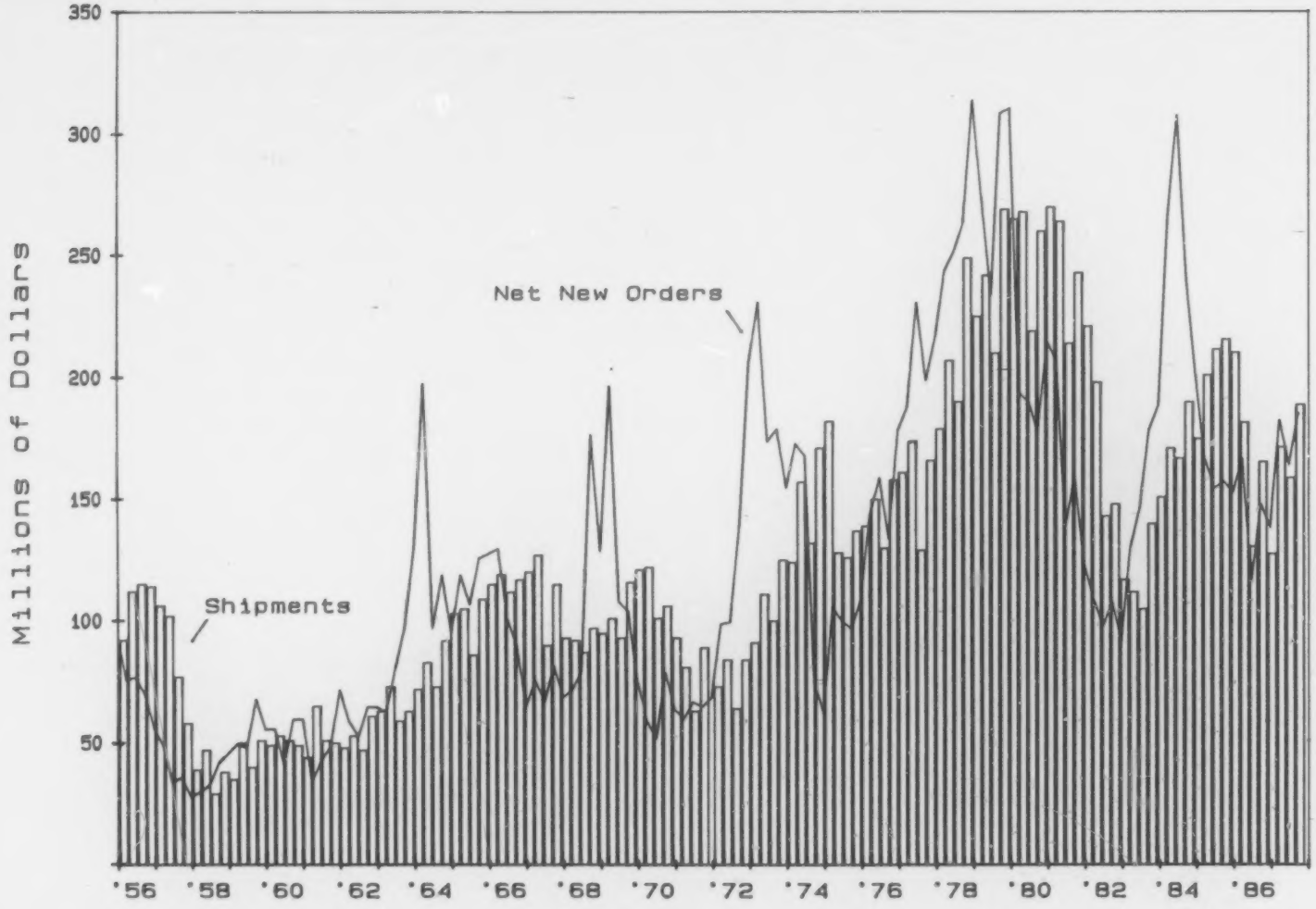
Total Machine Tools
Shipments (Bar) and Net New Orders (Line)
Quarterly, 1956: 1 to 1987: 4



Metal Cutting Machine Tools
Shipments (Bar) and Net New Orders (Line)
Quarterly, 1956: 1 to 1987: 4



Metal Forming Machine Tools
Shipments (Bar) and Net New Orders (Line)
Quarterly, 1956: 1 to 1987: 4



2/26/88 A8050-1

News Release

national machine tool builders

FOR RELEASE: February 29, 1988
Contact: Charles Pollock
Edwin Bowers

MACHINE TOOL ORDERS RISE IN JANUARY

January machine tool orders rose to $298.50 million, up 23.7% from the $241.40 million posted in December 1987, according to figures released today by the National Machine Tool Builders' Association. Compared to January 1987, orders are up 103.5%.

January metal cutting machine tool orders rose to $224.95 million, up 29.1% for the month and up 127.3% compared to January one year ago. Metal forming equipment orders stood at $73.55 million, up 9.5% for the month and up 54.2% compared to last January.

"To see a significant rise in both metal forming and metal cutting orders is indeed heartening," said James A. Gray, NMTBA president. "We are pleased to note the large rise in domestic orders. Compared to January 1987, domestic orders were up 141.4% in metal cutting and 83.3% in metal forming. We're glad to see that the National-Security based Voluntary Restraint Agreement program that went into effect a year ago, coupled with the requirement that the Department of Defense buy more U.S.-made machine tools, is having a positive effect. Also, now that the exchange rate for the

(MORE)

INTERNATIONAL MACHINE TOOL SHOW IMTS The world of manufacturing technology

dollar is at a more favorable level, more American orders are staying home and going to American companies. Our customer industries know that U.S. products are a good deal for them. The quality has always been there. Now, with foreign manufacturers no longer benefiting from an overvalued dollar, we are also very competitive in price. We hope that our government's policies continue to give us this level competitive situation."

Machine tool shipments for January fell to $142.95 million, down 50.4% from the $288.40 million figure for December 1987. This monthly drop is the result of the usual year-end shipment surge reflected in the December figures. Metal cutting machine tool shipments fell to $70.80 million, down 68.7%, while metal forming shipments rose to $72.15 million, up 16.0%.

Compared to January 1987, total shipments were off 3.2%, with metal cutting down 36.4% and metal forming up 97.9%.

The machine tool order backlog for January 1988 stood at $1,155.05 million, up from the $999.50 million figure at the close of 1987.

# # #

COMPARISON CHART

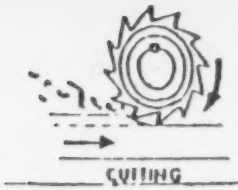
NET NEW ORDERS -- MACHINE TOOLS
(Millions of Dollars)

	METAL CUTTING			METAL FORMING			TOTAL Cutting and Forming		
	Domestic	Foreign	Total	Domestic	Foreign	Total	Domestic	Foreign	Total
JAN 1988	206.75	18.20	224.95	60.30	13.25	73.55	267.05	31.45	298.50
DEC 1987	154.80	19.45	174.25	54.65	12.50	67.15	209.45	31.95	241.40
% CHANGE JAN 1988:DEC 1987	+33.6	-6.4	+29.1	+10.3	+6.0	+9.5	+27.5	-1.6	+23.7
JAN 1987	85.65	13.30	98.95	32.90	14.80	47.70	118.55	28.10	146.65
% CHANGE JAN 1988:JAN 1987	+141.4	+36.8	+127.3	+83.3	-10.5	+54.2	+125.3	+11.9	+103.5
YEAR TO DATE 1988									
YEAR TO DATE 1987		N/A			N/A			N/A	
% CHANGE 1988 : 1987									

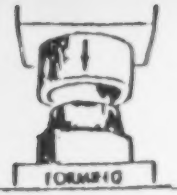
SHIPMENTS -- MACHINE TOOLS
(Millions of Dollars)

	METAL CUTTING			METAL FORMING			TOTAL Cutting and Forming		
	Domestic	Foreign	Total	Domestic	Foreign	Total	Domestic	Foreign	Total
JAN 1988	61.20	9.60	70.80	64.05	8.10	72.15	125.25	17.70	142.95
DEC 1987	208.90	17.30	226.20	44.05	18.15	62.20	252.95	35.45	288.40
% CHANGE JAN 1988:DEC 1987	-70.7	-44.5	-68.7	+45.4	-55.4	+16.0	-50.5	-50.1	-50.4
JAN 1987	104.10	7.15	111.25	31.25	5.20	36.45	135.35	12.35	147.70
% CHANGE JAN 1988:JAN 1987	-41.2	+34.3	-36.4	+105.0	+55.8	+97.9	-7.5	+43.3	-3.2
YEAR TO DATE 1988									
YEAR TO DATE 1987		N/A			N/A			N/A	
% CHANGE 1988 : 1987									

Source: National Machine Tool Builders' Association



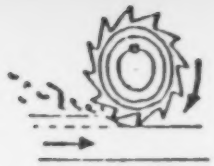
TOTAL INDUSTRY ESTIMATE
MACHINE TOOLS - CUTTING AND FORMING
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)



DATE	NET NEW ORDERS Domestic	Foreign	Total	Order Backlog	SHIPMENTS Domestic	Foreign	Total
1987	$1,830.50	$ 288.30	$2,118.80	$ 999.50	$2,036.75	$ 286.90	$2,323.65
1988 JAN (P)	$ 267.05	$ 31.45	$ 298.50	$1,155.05	$ 125.25	$ 17.70	$ 142.95

DATE	GROSS NEW ORDERS Domestic	Foreign	Total	CANCELLATIONS Domestic	Foreign	Total
1987	$1,949.10	$ 303.40	$2,252.50	$ 118.60	$ 15.10	$ 133.70
1988 JAN (P)	$ 269.95	$ 32.30	$ 302.25	$ 2.90	$ .85	$ 3.75

P - Preliminary
NOTE: This table includes industry estimate figures based on reports submitted to the National Machine Tool Builders' Association. These industry estimates have not been adjusted for change in the value of the dollar.



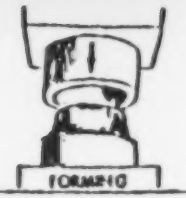
INDUSTRY ESTIMATE
METAL CUTTING TYPE MACHINE TOOLS
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)

DATE	NET NEW ORDERS Domestic	Foreign	Total	Order Backlog	SHIPMENTS Domestic	Foreign	Total
1987	$1,294.45	$157.00	$1,451.45	$672.20	$1,498.85	$177.65	$1,676.50
1988							
JAN (P)	$ 206.75	$ 18.20	$ 224.95	$826.35	$ 61.20	$ 9.60	$ 70.80

DATE	GROSS NEW ORDERS Domestic	Foreign	Total	CANCELLATIONS Domestic	Foreign	Total
1987	$1,365.85	$167.35	$1,533.20	$ 71.40	$ 10.35	$ 81.75
1988						
JAN (P)	$ 208.35	$ 18.80	$ 227.15	$ 1.60	$ .60	$ 2.20

P - Preliminary
NOTE: This table includes industry estimate figures based on reports submitted to the National Machine Tool Builders' Association. These industry estimates have not been adjusted for change in the value of the dollar.

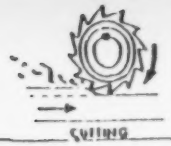
INDUSTRY ESTIMATE
METAL FORMING TYPE MACHINE TOOLS
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)



DATE	NET NEW ORDERS Domestic	Foreign	Total	Order Backlog	SHIPMENTS Domestic	Foreign	Total
1987	$ 536.05	$ 131.30	$ 667.35	$ 327.30	$ 537.90	$ 109.25	$ 647.15
1988 JAN (P)	$ 60.30	$ 13.25	$ 73.55	$ 328.70	$ 64.05	$ 8.10	$ 72.15

DATE	GROSS NEW ORDERS Domestic	Foreign	Total	CANCELLATIONS Domestic	Foreign	Total
1987	$ 583.25	$ 136.05	$ 719.30	$ 47.20	$ 4.75	$ 51.95
1988 JAN (P)	$ 61.60	$ 13.50	$ 75.10	$ 1.30	$ .25	$ 1.55

P - Preliminary
NOTE: This table includes industry estimate figures based on reports submitted to the National Machine Tool Builders' Association. These industry estimates have not been adjusted for change in the value of the dollar.



TOTAL INDUSTRY ESTIMATE
MACHINE TOOLS - CUTTING AND FORMING
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)

A 8050-1

DATE	NET NEW ORDERS Domestic	Foreign	Total	Order Backlog	SHIPMENTS Domestic	Foreign	Total
1986	$ 1,883.35	$ 241.95	$ 2,125.30	1,204.35	$ 2,306.05	$ 272.45	$ 2,578.50
1987							
JAN	$ 118.55	$ 28.10	$ 146.65	1,203.30	$ 135.35	$ 12.35	$ 147.70
FEB	$ 141.45	$ 11.40	$ 152.85	1,209.55	$ 131.45	$ 15.15	$ 146.60
MAR	$ 136.25	$ 27.95	$ 164.20	1,191.25	$ 154.05	$ 28.45	$ 182.50
APR	$ 110.15	$ 20.15	$ 130.30	1,149.20	$ 150.15	$ 22.20	$ 172.35
MAY	$ 176.10	$ 12.00	$ 188.10	1,128.70	$ 189.80	$ 18.80	$ 208.60
JUN	$ 177.30	$ 25.45	$ 202.75	1,098.30	$ 202.85	$ 30.30	$ 233.15
JUL	$ 128.50	$ 34.50	$ 163.00	1,063.50	$ 182.25	$ 15.55	$ 197.80
AUG	$ 126.85	$ 15.15	$ 142.00	1,047.10	$ 133.45	$ 24.95	$ 158.40
SEP	$ 157.10	$ 25.75	$ 182.85	1,029.50	$ 174.65	$ 25.80	$ 200.45
OCT	$ 246.70	$ 20.70	$ 267.40	1,087.25	$ 181.20	$ 28.45	$ 209.65
NOV	$ 102.10	$ 35.20	$ 137.30	1,046.50	$ 148.60	$ 29.45	$ 178.05
DEC	$ 209.45	$ 31.95	$ 241.40	999.50	$ 252.95	$ 35.45	$ 288.40
12 MONTHS	$ 1,830.50	$ 288.30	$ 2,118.80		$ 2,036.75	$ 286.90	$ 2,323.65

DATE	GROSS NEW ORDERS Domestic	Foreign	Total	CANCELLATIONS Domestic	Foreign	Total
1986	$ 2,065.20	$ 257.20	$ 2,322.40	$ 181.85	$ 15.25	$ 197.10
1987						
JAN	$ 124.60	$ 28.20	$ 152.80	$ 6.05	$ .10	$ 6.15
FEB	$ 147.45	$ 13.60	$ 161.05	$ 6.00	$ 2.20	$ 8.20
MAR	$ 165.05	$ 30.05	$ 195.10	$ 28.80	$ 2.10	$ 30.90
APR	$ 119.60	$ 21.05	$ 140.65	$ 9.45	$ .90	$ 10.35
MAY	$ 180.40	$ 12.95	$ 193.35	$ 4.30	$ .95	$ 5.25
JUN	$ 182.05	$ 26.10	$ 208.15	$ 4.75	$ .65	$ 5.40
JUL	$ 141.60	$ 34.60	$ 176.20	$ 13.10	$ .10	$ 13.20
AUG	$ 137.10	$ 16.20	$ 153.30	$ 10.25	$ 1.05	$ 11.30
SEP	$ 168.10	$ 29.40	$ 197.50	$ 11.00	$ 3.65	$ 14.65
OCT	$ 252.20	$ 21.75	$ 273.95	$ 5.50	$ 1.05	$ 6.55
NOV	$ 111.40	$ 37.20	$ 148.60	$ 9.30	$ 2.00	$ 11.30
DEC	$ 219.55	$ 32.30	$ 251.85	$ 10.10	$ .35	$ 10.45
12 MONTHS	$ 1,949.10	$ 303.40	$ 2,252.50	$ 118.60	$ 15.10	$ 133.70

NOTE: This table includes industry estimate figures based on reports submitted to the National Machine Tool Builders' Association. These industry estimates have not been adjusted for change in the value of the dollar.

INDUSTRY ESTIMATE
METAL CUTTING TYPE MACHINE TOOLS
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)

DATE	NET NEW ORDERS Domestic	Foreign	Total	Order Backlog	SHIPMENTS Domestic	Foreign	Total
1986	$ 1,376.55	$ 167.70	$ 1,544.25	897.25	$ 1,684.70	$ 205.60	$ 1,890.30
1987							
JAN	$ 85.65	$ 13.30	$ 98.95	884.95	$ 104.10	$ 7.15	$ 111.25
FEB	$ 98.35	$ 5.35	$ 103.70	889.40	$ 88.80	$ 10.45	$ 99.25
MAR	$ 107.55	$ 15.90	$ 123.45	874.20	$ 118.20	$ 20.45	$ 138.65
APR	$ 65.15	$ 14.40	$ 79.55	837.90	$ 102.10	$ 13.75	$ 115.85
MAY	$ 139.60	$ 5.20	$ 144.80	821.05	$ 146.00	$ 15.65	$ 161.65
JUN	$ 98.85	$ 16.10	$ 114.95	770.90	$ 148.20	$ 16.90	$ 165.10
JUL	$ 84.60	$ 17.50	$ 102.10	736.70	$ 127.90	$ 8.40	$ 136.30
AUG	$ 90.25	$ 6.10	$ 96.35	714.70	$ 99.85	$ 18.50	$ 118.35
SEP	$ 116.75	$ 9.35	$ 126.10	697.70	$ 126.65	$ 16.45	$ 143.10
OCT	$ 187.15	$ 11.00	$ 198.15	761.00	$ 117.95	$ 16.90	$ 134.85
NOV	$ 65.75	$ 23.35	$ 89.10	724.15	$ 110.20	$ 15.75	$ 125.95
DEC	$ 154.80	$ 19.45	$ 174.25	672.20	$ 208.90	$ 17.30	$ 226.20
12 MONTHS	$ 1,294.45	$ 157.00	$ 1,451.45		$ 1,498.85	$ 177.65	$ 1,676.50

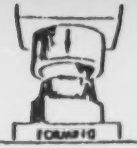
DATE	GROSS NEW ORDERS Domestic	Foreign	Total	CANCELLATIONS Domestic	Foreign	Total
1986	$ 1,498.60	$ 176.35	$ 1,674.95	$ 122.05	$ 8.65	$ 130.70
1987						
JAN	$ 90.30	$ 13.35	$ 103.65	$ 4.65	$ .05	$ 4.70
FEB	$ 101.55	$ 7.50	$ 109.05	$ 3.20	$ 2.15	$ 5.35
MAR	$ 114.00	$ 17.95	$ 131.95	$ 6.45	$ 2.05	$ 8.50
APR	$ 73.35	$ 14.75	$ 88.10	$ 8.20	$ .35	$ 8.55
MAY	$ 143.55	$ 5.60	$ 149.15	$ 3.95	$ .40	$ 4.35
JUN	$ 101.65	$ 16.60	$ 118.25	$ 2.80	$ .50	$ 3.30
JUL	$ 96.40	$ 17.55	$ 113.95	$ 11.80	$ .05	$ 11.85
AUG	$ 94.00	$ 6.55	$ 100.55	$ 3.75	$ .45	$ 4.20
SEP	$ 124.20	$ 12.95	$ 137.15	$ 7.45	$ 3.60	$ 11.05
OCT	$ 189.55	$ 11.20	$ 200.75	$ 2.40	$ .20	$ 2.60
NOV	$ 73.95	$ 23.60	$ 97.55	$ 8.20	$ .25	$ 8.45
DEC	$ 163.35	$ 19.75	$ 183.10	$ 8.55	$ .30	$ 8.85
12 MONTHS	$ 1,365.85	$ 167.35	$ 1,533.20	$ 71.40	$ 10.35	$ 81.75

NOTE: This table includes industry estimate figures based on reports submitted to the National Machine Tool Builders' Association. These industry estimates have not been adjusted for change in the value of the dollar.

INDUSTRY ESTIMATE

METAL FORMING TYPE MACHINE TOOLS

New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)



DATE	NET NEW ORDERS Domestic	Foreign	Total	Order Backlog	SHIPMENTS Domestic	Foreign	Total
1986	$ 506.80	$ 74.25	$ 581.05	307.10	$ 621.35	$ 66.85	$ 688.20
1987							
JAN	$ 32.90	$ 14.80	$ 47.70	318.35	$ 31.25	$ 5.20	$ 36.45
FEB	$ 43.10	$ 6.05	$ 49.15	320.15	$ 42.65	$ 4.70	$ 47.35
MAR	$ 28.70	$ 12.05	$ 40.75	317.05	$ 35.85	$ 8.00	$ 43.85
APR	$ 45.00	$ 5.75	$ 50.75	311.30	$ 48.05	$ 8.45	$ 56.50
MAY	$ 36.50	$ 6.80	$ 43.30	307.65	$ 43.80	$ 3.15	$ 46.95
JUN	$ 78.45	$ 9.35	$ 87.80	327.40	$ 54.65	$ 13.40	$ 68.05
JUL	$ 43.90	$ 17.00	$ 60.90	326.80	$ 54.35	$ 7.15	$ 61.50
AUG	$ 36.60	$ 9.05	$ 45.65	332.40	$ 33.60	$ 6.45	$ 40.05
SEP	$ 40.35	$ 16.40	$ 56.75	331.80	$ 48.00	$ 9.35	$ 57.35
OCT	$ 59.55	$ 9.70	$ 69.25	326.25	$ 63.25	$ 11.55	$ 74.80
NOV	$ 36.35	$ 11.85	$ 48.20	322.35	$ 38.40	$ 13.70	$ 52.10
DEC	$ 54.65	$ 12.50	$ 67.15	327.30	$ 44.05	$ 18.15	$ 62.20
12 MONTHS	$ 536.05	$ 131.30	$ 667.35		$ 537.90	$ 109.25	$ 647.15

DATE	GROSS NEW ORDERS Domestic	Foreign	Total	CANCELLATIONS Domestic	Foreign	Total
1986	$ 566.60	$ 80.85	$ 647.45	$ 59.80	$ 6.60	$ 66.40
1987						
JAN	$ 34.30	$ 14.85	$ 49.15	$ 1.40	$ .05	$ 1.45
FEB	$ 45.90	$ 6.10	$ 52.00	$ 2.80	$ .05	$ 2.85
MAR	$ 51.05	$ 12.10	$ 63.15	$ 22.35	$ .05	$ 22.40
APR	$ 46.25	$ 6.30	$ 52.55	$ 1.25	$ .55	$ 1.80
MAY	$ 36.85	$ 7.35	$ 44.20	$ .35	$ .55	$ .90
JUN	$ 80.40	$ 9.50	$ 89.90	$ 1.95	$ .15	$ 2.10
JUL	$ 45.20	$ 17.05	$ 62.25	$ 1.30	$ .05	$ 1.35
AUG	$ 43.10	$ 9.65	$ 52.75	$ 6.50	$ .60	$ 7.10
SEP	$ 43.90	$ 16.45	$ 60.35	$ 3.55	$ .05	$ 3.60
OCT	$ 62.65	$ 10.55	$ 73.20	$ 3.10	$ .85	$ 3.95
NOV	$ 37.45	$ 13.60	$ 51.05	$ 1.10	$ 1.75	$ 2.85
DEC	$ 56.20	$ 12.55	$ 68.75	$ 1.55	$ .05	$ 1.60
12 MONTHS	$ 583.25	$ 136.05	$ 719.30	$ 47.20	$ 4.75	$ 51.95

NOTE: This table includes industry estimate figures based on reports submitted to the National Machine Tool Builders' Association. These industry estimates have not been adjusted for change in the value of the dollar.

3/24/88 A8050-1

News Release

national machine tool builders association

FOR RELEASE: March 28, 1988
Contact: Charles Pollock
Edwin Bowers

MACHINE TOOL ORDERS REMAIN UP IN FEBRUARY

New machine tool orders for February rose to $298.00 million, according to figures released today by the National Machine Tool Builders' Association. This is an increase of 0.2% from the $297.50 million January 1988 figure, and an increase of 95.0% from the $152.85 million for February 1987. Year-to-date orders show a 98.8% increase compared to 1987.

At $250.35 million, metal cutting machine tool orders are up 11.8% for the month and up 141.4% compared to February a year ago. Year-to-date figures show a 134.0% increase. February metal forming equipment orders stood at $47.65 million, off 35.2% compared to the previous month. This resulted in a 3.1% drop compared to February a year ago. However, year-to-date metal forming orders are up 25.1%.

James A. Gray, president of the National Machine Tool Builders' Association, said, "We are pleased that the strength we saw in January orders is continuing into February. Metal cutting orders remain especially strong, resulting in a total cutting and forming figure 98.8 % above that for a year ago. This rise, following a similar rise in January, is good news for an industry that has had little to cheer about in recent years." He went on to note, "American companies manufacture a quality product. We have long maintained that, given a fair opportunity, the 'level playing field' we hear so much about these days, U.S. manufacturers can play a competitive game. We look forward with cautious optimism to the year ahead."

(MORE)

IMTS The world of manufacturing technology

Total machine tool shipments for February rose 16.1% compared to the previous month, up from $143.35 million to $166.40 million. Compared to February a year ago shipments were up 13.5%, while year-to-date figures show a 5.2% rise.

Metal cutting machine tool shipments rose to $108.85 million, up 52.9% for the month and up 9.7% compared to February 1987. At $57.55 million, metal forming shipments were off 20.2% for the month, but up 21.5% compared to the same month last year.

The machine tool order backlog for February 1988 stood at $1,285.25 million, up from January's $1,153.65 million.

# # #

COMPARISON CHART

NET NEW ORDERS -- MACHINE TOOLS
(Millions of Dollars)

	METAL CUTTING			METAL FORMING			TOTAL Cutting and Forming		
	Domestic	Foreign	Total	Domestic	Foreign	Total	Domestic	Foreign	Total
FEB 1988	217.90	32.45	250.35	40.90	6.75	47.65	258.80	39.20	298.00
JAN 1988	205.75	18.20	223.95	60.30	13.25	73.55	266.05	31.45	297.50
% CHANGE									
FEB 1988:JAN 1988	+5.9	+78.3	+11.8	-32.2	-49.1	-35.2	-2.7	+24.6	+0.2
FEB 1987	98.35	5.35	103.70	43.10	6.05	49.15	141.45	11.40	152.85
% CHANGE									
FEB 1988:FEB 1987	+121.6	+506.5	+141.4	-5.1	+11.6	-3.1	+83.0	+243.9	+95.0
YEAR TO DATE 1988	423.65	50.65	474.30	101.20	20.00	121.20	524.85	70.65	595.50
YEAR TO DATE 1987	184.00	18.65	202.65	76.00	20.85	96.85	260.00	39.50	299.50
% CHANGE									
1988 : 1987	+130.2	+171.6	+134.0	+33.2	-4.1	+25.1	+101.9	+78.9	+98.8

SHIPMENTS -- MACHINE TOOLS
(Millions of Dollars)

	METAL CUTTING			METAL FORMING			TOTAL Cutting and Forming		
	Domestic	Foreign	Total	Domestic	Foreign	Total	Domestic	Foreign	Total
FEB 1988	96.95	11.90	108.85	48.10	9.45	57.55	145.05	21.35	166.40
JAN 1988	61.60	9.60	71.20	64.05	8.10	72.15	125.65	17.70	143.35
% CHANGE									
FEB 1988:JAN 1988	+57.4	+24.0	+52.9	-24.9	+16.7	-20.2	+15.4	+20.6	+16.1
FEB 1987	88.80	10.45	99.25	42.65	4.70	47.35	131.45	15.15	146.60
% CHANGE									
FEB 1988:FEB 1987	+9.2	+13.9	+9.7	+12.8	+101.1	+21.5	+10.3	+40.9	+13.5
YEAR TO DATE 1988	158.55	21.50	180.05	112.15	17.55	129.70	270.70	39.05	309.75
YEAR TO DATE 1987	192.90	17.60	210.50	73.90	9.90	83.80	266.80	27.50	294.30
% CHANGE									
1988 : 1987	-17.8	+22.2	-14.5	+51.8	+77.3	+54.8	+1.5	+42.0	+5.2

Source: National Machine Tool Builders' Association

TOTAL INDUSTRY ESTIMATE
MACHINE TOOLS - CUTTING AND FORMING
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)

DATE	NET NEW ORDERS Domestic	Foreign	Total	Order Backlog	SHIPMENTS Domestic	Foreign	Total
1987	$ 1,830.50	$ 288.30	$ 2,118.80	$ 999.50	$ 2,036.75	$ 286.90	$ 2,323.65
1988							
JAN	$ 266.05	$ 31.45	$ 297.50	$1,153.65	$ 125.65	$ 17.70	$ 143.35
FEB (P)	$ 258.80	$ 39.20	$ 298.00	$1,285.25	$ 145.05	$ 21.35	$ 166.40
2 MONTHS	$ 524.85	$ 70.65	$ 595.50		$ 270.70	$ 39.05	$ 309.75

DATE	GROSS NEW ORDERS Domestic	Foreign	Total	CANCELLATIONS Domestic	Foreign	Total
1987	$ 1,949.10	$ 303.40	$ 2,252.50	$ 118.60	$ 15.10	$ 133.70
1988						
JAN	$ 268.95	$ 32.30	$ 301.25	$ 2.90	$ .85	$ 3.75
FEB (P)	$ 265.10	$ 39.35	$ 304.45	$ 6.30	$ .15	$ 6.45
2 MONTHS	$ 534.05	$ 71.65	$ 605.70	$ 9.20	$ 1.00	$ 10.20

P - Preliminary
NOTE: This table includes industry estimate figures based on reports submitted to the National Machine Tool Builders' Association. These industry estimates have not been adjusted for change in the value of the dollar.

INDUSTRY ESTIMATE

METAL CUTTING TYPE MACHINE TOOLS

New Orders, Cancellations, Shipments and Backlog

(Millions of Dollars)

DATE	NET NEW ORDERS Domestic	Foreign	Total	Order Backlog	SHIPMENTS Domestic	Foreign	Total
1987	$ 1,294.45	$ 157.00	$ 1,451.45	$ 672.20	$ 1,498.85	$ 177.65	$ 1,676.50
1988							
JAN	$ 205.75	$ 18.20	$ 223.95	$ 824.95	$ 61.60	$ 9.60	$ 71.20
FEB (P)	$ 217.90	$ 32.45	$ 250.35	$ 966.45	$ 96.95	$ 11.90	$ 108.85
2 MONTHS	$ 423.65	$ 50.65	$ 474.30		$ 158.55	$ 21.50	$ 180.05

DATE	GROSS NEW ORDERS Domestic	Foreign	Total	CANCELLATIONS Domestic	Foreign	Total
1987	$ 1,365.85	$ 167.35	$ 1,533.20	$ 71.40	$ 10.35	$ 81.75
1988						
JAN	$ 207.35	$ 18.80	$ 226.15	$ 1.60	$ .60	$ 2.20
FEB (P)	$ 221.00	$ 32.55	$ 253.55	$ 3.10	$ .10	$ 3.20
2 MONTHS	$ 428.35	$ 51.35	$ 479.70	$ 4.70	$ .70	$ 5.40

P - Preliminary

NOTE: This table includes industry estimate figures based on reports submitted to the National Machine Tool Builders' Association. These industry estimates have not been adjusted for change in the value of the dollar.

INDUSTRY ESTIMATE
METAL FORMING TYPE MACHINE TOOLS
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)

DATE	NET NEW ORDERS Domestic	Foreign	Total	Order Backlog	SHIPMENTS Domestic	Foreign	Total
1987	$ 536.05	$ 131.30	$ 667.35	$ 327.30	$ 537.90	$ 109.25	$ 647.15
1988							
JAN	$ 60.30	$ 13.25	$ 73.55	$ 328.70	$ 64.05	$ 8.10	$ 72.15
FEB (P)	$ 40.90	$ 6.75	$ 47.65	$ 318.80	$ 48.10	$ 9.45	$ 57.55
2 MONTHS	$ 101.20	$ 20.00	$ 121.20		$ 112.15	$ 17.55	$ 129.70

DATE	GROSS NEW ORDERS Domestic	Foreign	Total	CANCELLATIONS Domestic	Foreign	Total
1987	$ 583.25	$ 136.05	$ 719.30	$ 47.20	$ 4.75	$ 51.95
1988						
JAN	$ 61.60	$ 13.50	$ 75.10	$ 1.30	$ .25	$ 1.55
FEB (P)	$ 44.10	$ 6.80	$ 50.90	$ 3.20	$ .05	$ 3.25
2 MONTHS	$ 105.70	$ 20.30	$ 126.00	$ 4.50	$ .30	$ 4.80

P - Preliminary
NOTE: This table includes industry estimate figures based on reports submitted to the National Machine Tool Builders' Association. These industry estimates have not been adjusted for change in the value of the dollar.

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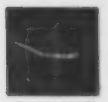
News Release



FOR RELEASE: April 25, 1988
Contact: Charles Pollock
Edwin Bowers

MACHINE TOOL ORDERS REMAIN STRONG

According to figures released today by the National Machine Tool Builders' Association, net new machine tool orders for March 1988 stood at $254.40 million, down 14.6% from their February high of $298.05 million. This figure is 54.9% above the $164.20 million total for March 1987, resulting in a year-to-date figure of $849.95 million, 83.3% above that for the first quarter of 1987.

March 1988 metal cutting orders stood at $191.85 million, down 23.4% for the month, while metal forming orders rose to $62.55 million, up 31.3%. Compared to March a year ago, metal cutting orders were up 55.4%, while metal forming orders were up 53.5%. Year-to-date totals stood at $666.20 million for metal cutting, up 104.3%, and $183.75 million for metal forming, up 33.5% compared to the same period one year ago.

James A. Gray, president of the National Machine Tool Builders' Association, said, "Although March orders declined slightly from February's, it was still a good month. Following a very strong January and February, the overall picture remains encouraging. Comparing 1988 figures to those for 1987, we see an across the board rise. Machine tool prospects are being bolstered in 1988 by both the cost competitive catch-up of U.S. manufacturing and a sharp rate of increase in capital goods exports. With these positive trends taking place, we are looking forward with particular enthusiasm to IMTS-88, our upcoming international manufacturing technology show to be held Sept. 7-15 in Chicago."

(MORE)

Gray continued, "The favorable exchange rate environment is working to the benefit of domestic builders. Imports are relatively more expensive for the American purchaser and U.S. exports a better bargain for overseas buyers. Also, the cost of coming to the U.S. is down dramatically, so we anticipate strong attendance at IMTS by foreign buyers."

Total machine tool shipments for March 1988 rose 24.2% compared to February, up from $166.45 million to $206.80 million. Compared to March a year ago shipments were up 13.3%, while year-to-date figures show an 8.3% rise.

Shipments of metal cutting machine tools rose to $137.85 million in March, 26.6% above the previous month. Metal forming shipments stood at $68.95 million, 19.8% above February's figure. Compared to March a year ago, metal cutting shipments were down 0.6%, while metal forming shipments were up 57.2%. Year-to-date figures show an 8.9% drop in metal cutting shipments and a 55.6% rise in metal forming shipments.

The machine tool order backlog for March 1988 stood at $1,332.85 million, up from February's $1,285.25 million.

# # #

COMPARISON CHART

NET NEW ORDERS -- MACHINE TOOLS
(Millions of Dollars)

	METAL CUTTING			METAL FORMING			TOTAL Cutting and Forming		
	Domestic	Foreign	Total	Domestic	Foreign	Total	Domestic	Foreign	Total
MAR 1988	174.10	17.75	191.85	47.90	14.65	62.55	222.00	32.40	254.40
FEB 1988	217.95	32.45	250.40	40.90	6.75	47.65	258.85	39.20	298.05
% CHANGE									
MAR 1988:FEB 1988	-20.1	-45.3	-23.4	+17.1	+117.0	+31.3	-14.2	-17.3	-14.6
MAR 1987	107.55	15.90	123.45	28.70	12.05	40.75	136.25	27.95	164.20
% CHANGE									
MAR 1988:MAR 1987	+61.9	+11.6	+55.4	+66.9	+21.6	+53.5	+62.9	+15.9	+54.9
YEAR TO DATE 1988	597.80	68.40	666.20	149.10	34.65	183.75	746.90	103.05	849.95
YEAR TO DATE 1987	291.55	34.55	326.10	104.70	32.90	137.60	396.25	67.45	463.70
% CHANGE									
1988 : 1987	+105.0	+98.0	+104.3	+42.4	+5.3	+33.5	+88.5	+52.8	+83.3

SHIPMENTS -- MACHINE TOOLS
(Millions of Dollars)

	METAL CUTTING			METAL FORMING			TOTAL Cutting and Forming		
	Domestic	Foreign	Total	Domestic	Foreign	Total	Domestic	Foreign	Total
MAR 1988	124.10	13.75	137.85	61.80	7.15	68.95	185.90	20.90	206.80
FEB 1988	97.00	11.90	108.90	48.10	9.45	57.55	145.10	21.35	166.45
% CHANGE									
MAR 1988:FEB 1988	+27.9	+15.5	+26.6	+28.5	-24.3	+19.8	+28.1	-2.1	+24.2
MAR 1987	118.20	20.45	138.65	35.85	8.00	43.85	154.05	28.45	182.50
% CHANGE									
MAR 1988:MAR 1987	+5.0	-32.8	-0.6	+72.4	-10.6	+57.2	+20.7	-26.5	+13.3
YEAR TO DATE 1988	282.70	35.25	317.95	173.95	24.70	198.65	456.65	59.95	516.60
YEAR TO DATE 1987	311.10	38.05	349.15	109.75	17.90	127.65	420.85	55.95	476.80
% CHANGE									
1988 : 1987	-9.1	-7.4	-8.9	+58.5	+38.0	+55.6	+8.5	+7.1	+8.3

Source: National Machine Tool Builders' Association

TOTAL INDUSTRY ESTIMATE
MACHINE TOOLS - CUTTING AND FORMING
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)

DATE	NET NEW ORDERS Domestic	NET NEW ORDERS Foreign	NET NEW ORDERS Total	Order Backlog	SHIPMENTS Domestic	SHIPMENTS Foreign	SHIPMENTS Total
1987	$1,830.50	$ 288.30	$2,118.80	$ 999.50	$2,036.75	$ 286.90	$2,323.65
1988							
JAN	$ 266.05	$ 31.45	$ 297.50	$1,153.65	$ 125.65	$ 17.70	$ 143.35
FEB	$ 258.85	$ 39.20	$ 298.05	$1,285.25	$ 145.10	$ 21.35	$ 166.45
MAR (P)	$ 222.00	$ 32.40	$ 254.40	$1,332.85	$ 185.90	$ 20.90	$ 206.80
3 MONTHS	$ 746.90	$ 103.05	$ 849.95		$ 456.65	$ 59.95	$ 516.60

DATE	GROSS NEW ORDERS Domestic	GROSS NEW ORDERS Foreign	GROSS NEW ORDERS Total	CANCELLATIONS Domestic	CANCELLATIONS Foreign	CANCELLATIONS Total
1987	$1,949.10	$ 303.40	$2,252.50	$ 118.60	$ 15.10	$ 133.70
1988						
JAN	$ 268.95	$ 32.30	$ 301.25	$ 2.90	$ .85	$ 3.75
FEB	$ 265.15	$ 39.35	$ 304.50	$ 6.30	$ .15	$ 6.45
MAR (P)	$ 227.50	$ 33.10	$ 260.60	$ 5.50	$ .70	$ 6.20
3 MONTHS	$ 761.60	$ 104.75	$ 866.35	$ 14.70	$ 1.70	$ 16.40

P - Preliminary
NOTE: This table includes industry estimate figures based on reports submitted to the National Machine Tool Builders' Association. These industry estimates have not been adjusted for change in the value of the dollar.

INDUSTRY ESTIMATE
METAL CUTTING TYPE MACHINE TOOLS
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)

DATE	NET NEW ORDERS Domestic	Foreign	Total	Order Backlog	SHIPMENTS Domestic	Foreign	Total
1987	$1,294.45	$ 157.00	$1,451.45	$ 672.20	$1,498.85	$ 177.65	$1,676.50
1988							
JAN	$ 205.75	$ 18.20	$ 223.95	$ 824.95	$ 61.60	$ 9.60	$ 71.20
FEB	$ 217.95	$ 32.45	$ 250.40	$ 966.45	$ 97.00	$ 11.90	$ 108.90
MAR (P)	$ 174.10	$ 17.75	$ 191.85	$1,020.45	$ 124.10	$ 13.75	$ 137.85
3 MONTHS	$ 597.80	$ 68.40	$ 666.20		$ 282.70	$ 35.25	$ 317.95

DATE	GROSS NEW ORDERS Domestic	Foreign	Total	CANCELLATIONS Domestic	Foreign	Total
1987	$1,365.85	$ 167.35	$1,533.20	$ 71.40	$ 10.35	$ 81.75
1988						
JAN	$ 207.35	$ 18.80	$ 226.15	$ 1.60	$ .60	$ 2.20
FEB	$ 221.05	$ 32.55	$ 253.60	$ 3.10	$ .10	$ 3.20
MAR (P)	$ 178.05	$ 17.95	$ 196.00	$ 3.95	$ .20	$ 4.15
3 MONTHS	$ 606.45	$ 69.30	$ 675.75	$ 8.65	$ .90	$ 9.55

P - Preliminary
NOTE: This table includes industry estimate figures based on reports submitted to the National Machine Tool Builders' Association. These industry estimates have not been adjusted for change in the value of the dollar.

INDUSTRY ESTIMATE
METAL FORMING TYPE MACHINE TOOLS
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)

DATE	NET NEW ORDERS Domestic	Foreign	Total	Order Backlog	SHIPMENTS Domestic	Foreign	Total
1987	$ 536.05	$ 131.30	$ 667.35	$ 327.30	$ 537.90	$ 109.25	$ 647.15
1988							
JAN	$ 60.30	$ 13.25	$ 73.55	$ 328.70	$ 64.05	$ 8.10	$ 72.15
FEB	$ 40.90	$ 6.75	$ 47.65	$ 318.80	$ 48.10	$ 9.45	$ 57.55
MAR (P)	$ 47.90	$ 14.65	$ 62.55	$ 312.40	$ 61.80	$ 7.15	$ 68.95
3 MONTHS	$149.10	$ 34.65	$ 183.75		$ 173.95	$ 24.70	$ 198.65

DATE	GROSS NEW ORDERS Domestic	Foreign	Total	CANCELLATIONS Domestic	Foreign	Total
1987	$ 583.25	$ 136.05	$ 719.30	$ 47.20	$ 4.75	$ 51.95
1988						
JAN	$ 61.60	$ 13.50	$ 75.10	$ 1.30	$ .25	$ 1.55
FEB	$ 44.10	$ 6.80	$ 50.90	$ 3.20	$ .05	$ 3.25
MAR (P)	$ 49.45	$ 15.15	$ 64.60	$ 1.55	$ .50	$ 2.05
3 MONTHS	$ 155.15	$ 35.45	$ 190.60	$ 6.05	$ .80	$ 6.85

P - Preliminary
NOTE: This table includes industry estimate figures based on reports submitted to the National Machine Tool Builders' Association. These industry estimates have not been adjusted for change in the value of the dollar.

QUARTERLY AND YEARLY SHIPMENTS AND NET NEW ORDERS OF MACHINE TOOLS
(Dollar Figures in Thousands)
1982 to Date

	Cutting and Forming			Cutting			Forming		
	SHIPMENTS		NET	SHIPMENTS		NET	SHIPMENTS		NET
DATE	Total	Foreign	NEW ORDERS	Total	Foreign	NEW ORDERS	Total	Foreign	NEW ORDERS
1982-1	$1,154,200	$112,650	$ 506,800	$ 933,050	$ 71,750	$ 384,850	$ 221,150	$ 40,900	$ 121,950
2	1,008,450	96,600	382,650	810,650	75,350	274,750	197,800	21,250	107,900
3	783,400	107,200	279,950	640,450	89,750	183,450	142,950	17,450	96,500
4	658,350	89,600	328,350	510,600	59,300	221,400	147,750	30,300	106,950
Total	$3,604,400	$406,050	$1,497,750	$2,894,750	$296,150	$1,064,450	$ 709,650	$ 109,900	$ 433,300
1983-1	$ 487,450	$ 56,650	$ 314,850	$ 370,600	$ 40,800	$ 224,100	$ 116,850	$ 15,850	$ 90,750
2	469,650	58,300	399,100	357,500	49,300	269,300	112,150	9,000	129,800
3	357,050	42,900	468,150	252,350	32,200	322,200	104,700	10,700	145,950
4	530,900	57,150	514,050	391,050	49,600	336,050	139,850	7,550	178,000
Total	$1,845,050	$215,000	$1,696,150	$1,371,500	$171,900	$1,151,650	$ 473,550	$ 43,100	$ 544,500
1984-1	$ 449,500	$ 40,550	$ 600,450	$ 298,100	$ 25,100	$ 412,750	$ 151,400	$ 15,450	$ 187,700
2	572,300	50,700	764,400	401,800	28,250	499,200	170,500	22,450	265,200
3	568,850	41,850	800,200	401,550	24,300	493,000	167,300	17,550	307,200
4	695,200	60,150	750,750	505,050	45,000	510,850	190,150	15,150	239,900
Total	$2,285,850	$193,250	$2,915,800	$1,606,500	$122,650	$1,915,800	$ 679,350	$ 70,600	$1,000,000
1985-1	$ 531,700	$ 48,950	$ 728,250	$ 357,050	$ 37,150	$ 528,500	$ 174,650	$ 11,800	$ 199,750
2	586,050	37,700	641,400	385,000	27,450	475,700	201,050	10,250	165,700
3	654,650	58,250	558,450	443,050	35,950	404,750	211,600	22,300	153,700
4	772,800	108,850	600,000	557,150	93,200	444,150	215,650	15,650	155,850
Total	$2,545,200	$253,750	$2,528,100	$1,742,250	$193,750	$1,853,100	$ 802,950	$ 60,000	$ 675,000
1986-1	$ 597,300	$ 67,500	$ 615,750	$ 386,950	$ 55,200	$ 463,500	$ 210,350	$ 12,300	$ 152,250
2	751,000	64,100	600,600	569,350	49,500	434,650	181,650	14,600	165,950
3	549,350	64,200	459,650	418,700	49,500	344,050	130,650	14,700	115,600
4	680,850	76,650	449,300	515,300	51,400	302,050	165,550	25,250	147,250
Total	$2,578,500	$272,450	$2,125,300	$1,890,300	$205,600	$1,544,250	$ 688,200	$ 66,850	$ 581,050
1987-1	$ 476,800	$ 55,950	$ 463,700	$ 349,150	$ 38,050	$ 326,100	$ 127,650	$ 17,900	$ 137,600
2	614,100	71,300	521,150	442,600	46,300	339,300	171,500	25,000	181,850
3	556,650	66,300	487,850	397,750	43,350	324,550	158,900	22,950	163,300
4	676,100	93,350	646,100	487,000	49,950	461,500	189,100	43,400	184,600
Total	$2,323,650	$286,900	$2,118,800	$1,676,500	$177,650	$1,451,450	$ 647,150	$ 109,250	$ 667,350
1988-1P	$ 516,600	$ 59,950	$ 849,950	$ 317,950	$ 35,250	$ 666,200	$ 198,650	$ 24,700	$ 183,750

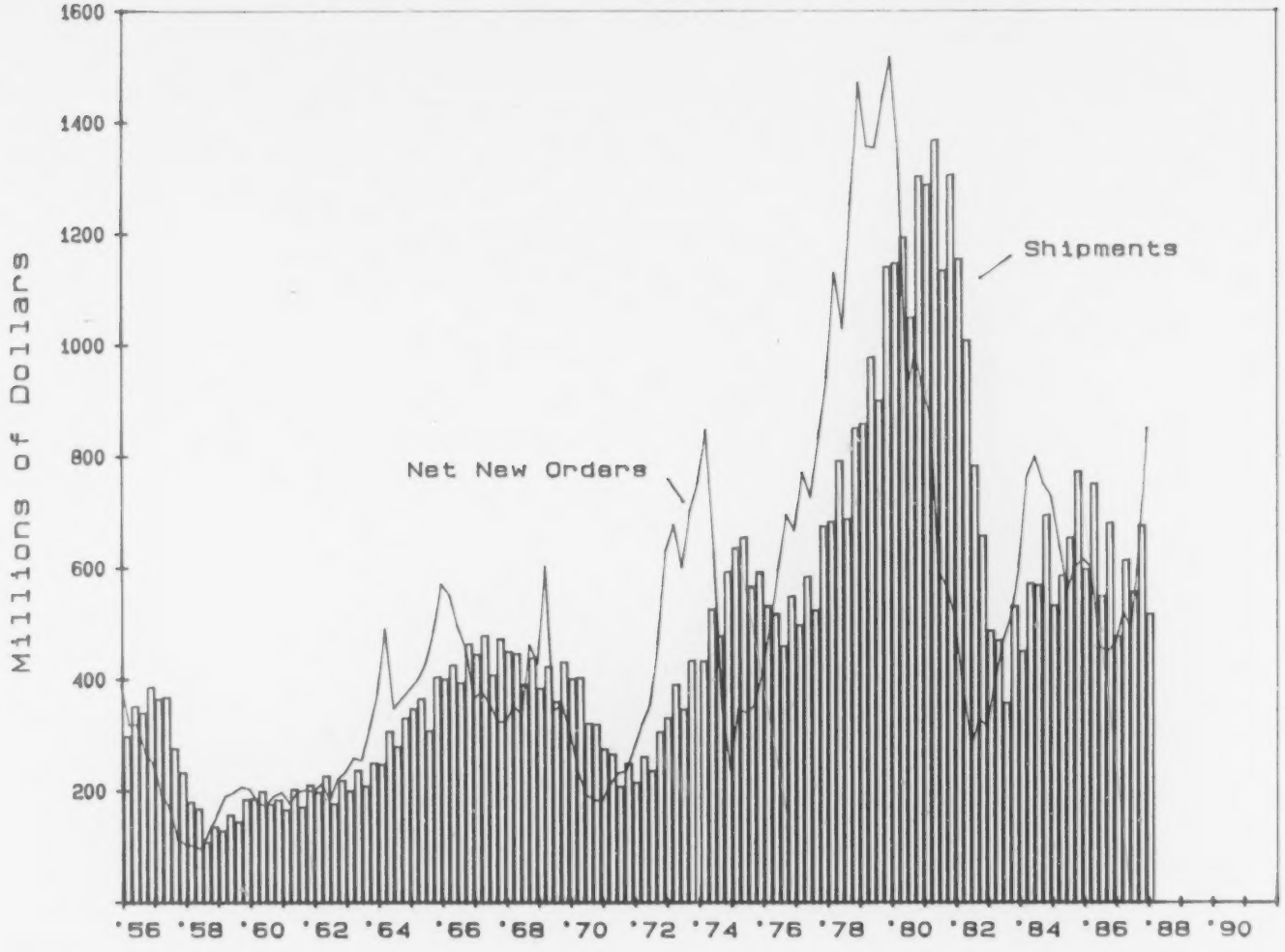
P - Preliminary

NOTE: These data series are available back to 1956. To obtain a copy of the tables for 1956 through 1988, contact: NMTBA Statistical Department, 7901 Westpark Drive, McLean, Virginia 22102-4269. Phone: 703:893-2900

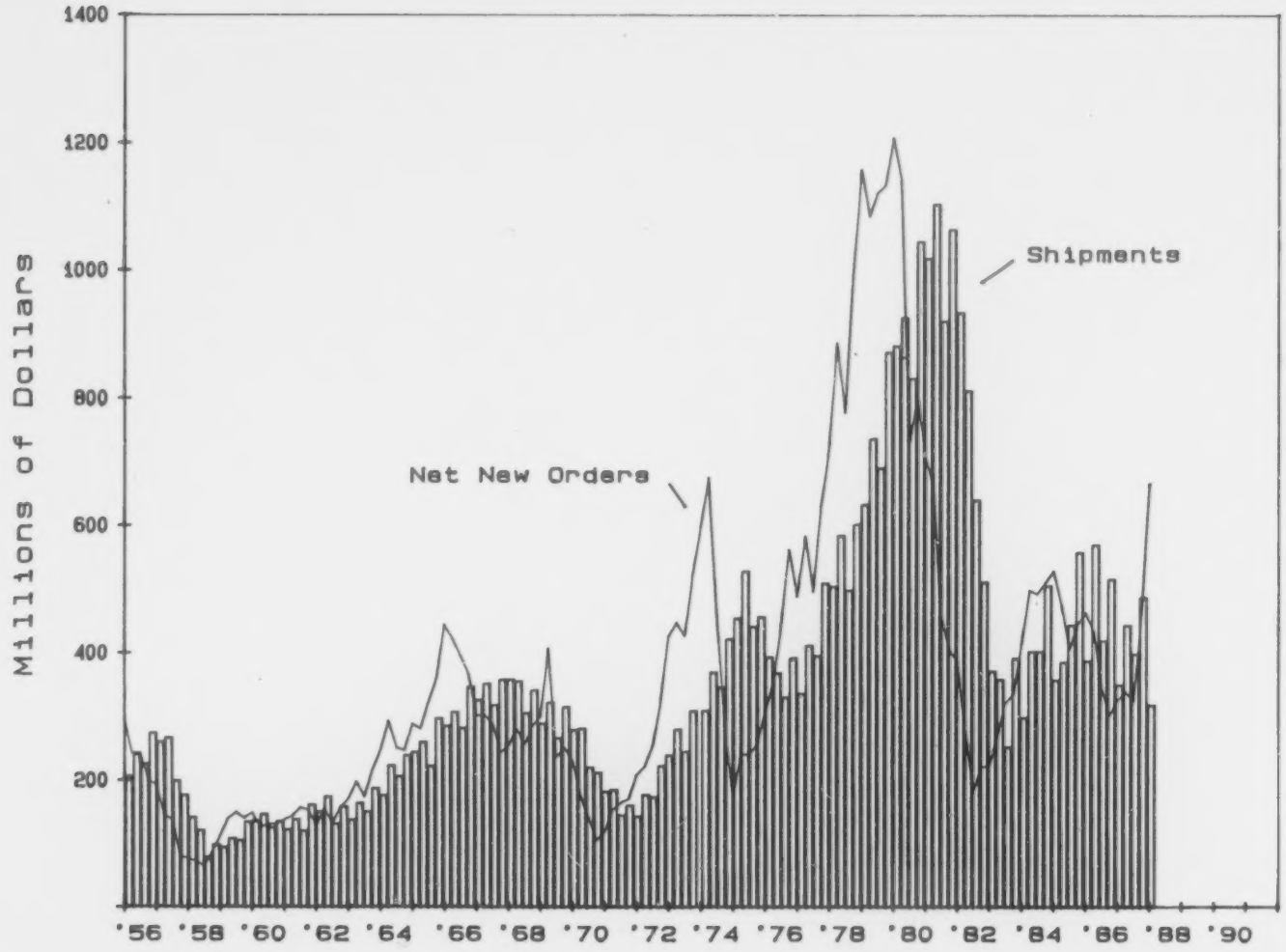
Source: National Machine Tool Builders' Association

April 25, 1988

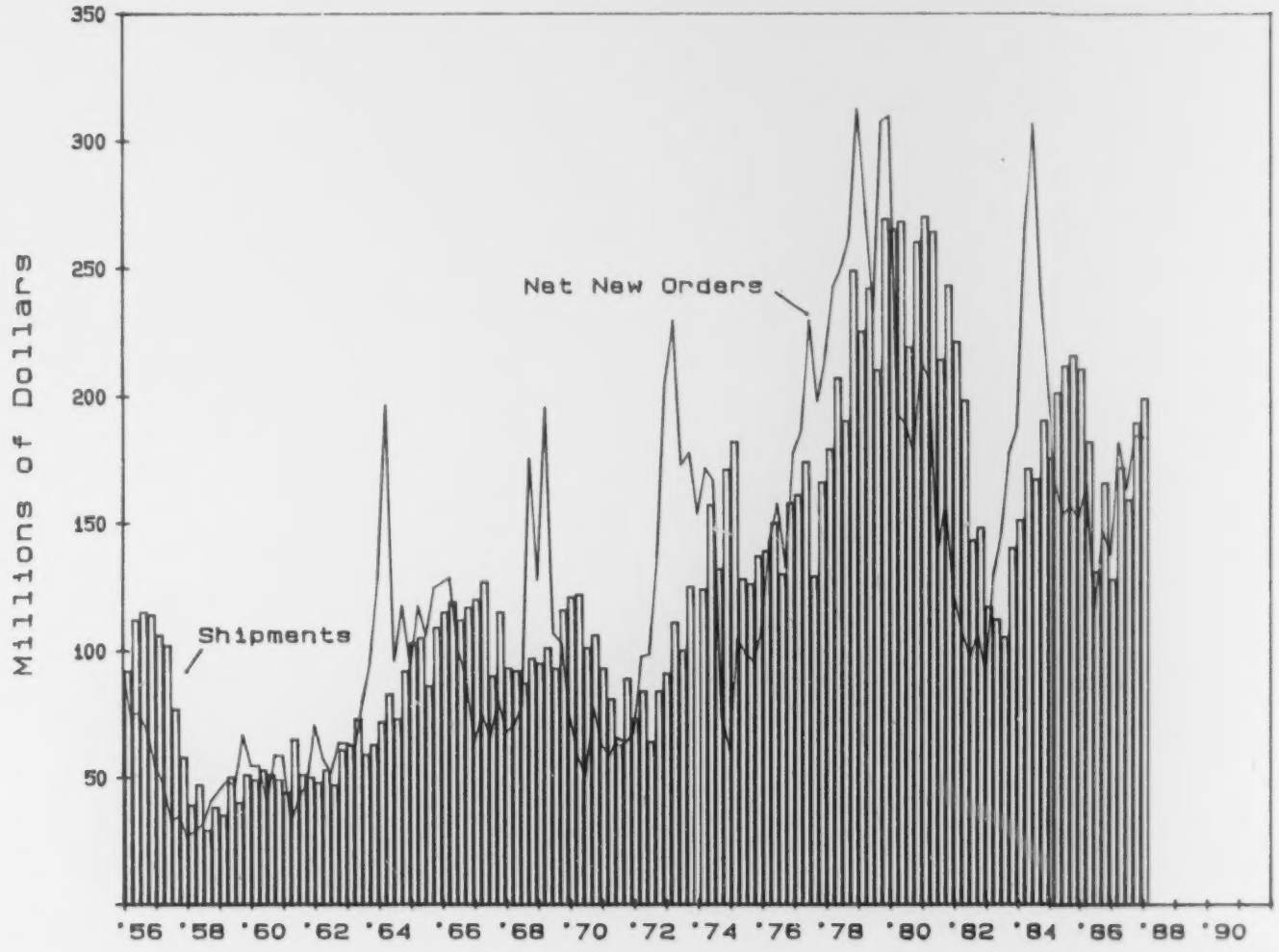
Total Machine Tools
Shipments (Bar) and Net New Orders (Line)
Quarterly, 1956: 1 to 1988: 1



Metal Cutting Machine Tools
Shipments (Bar) and Net New Orders (Line)
Quarterly, 1956: 1 to 1988: 1



Metal Forming Machine Tools
Shipments (Bar) and Net New Orders (Line)
Quarterly, 1956: 1 to 1988: 1



News Release

5/26/88

A8050-1 A

national machine tool builders association

FOR RELEASE: May 30, 1988
Contact: Charles Pollock
Edwin Bowers

ANOTHER GOOD MONTH FOR MACHINE TOOL ORDERS

According to figures released today by NMTBA - The Association for Manufacturing Technology, net new machine tool orders for April 1988 stood at $253.00 million, a scant 0.6% down from their March level of $254.45 million. Compared to April 1987, monthly orders were up 94.2%. The year-to-date figure of $1,103.00 million is up 85.7% compared to the same period in 1987.

Metal cutting machine tool orders for April reached $195.30 million, up 1.8% from the $191.90 million for March. Metal forming orders totaled $57.70 million, down 7.8% from the March figure of $62.55 million.

Compared to April a year ago, metal cutting orders were up 145.5% and metal forming orders were up 13.7%. Year-to-date order totals increased 112.4% for metal cutting equipment and 28.2% for metal forming equipment.

"Nineteen eighty-eight continues to be a good year for the machine tool industry," NMTBA President James A. Gray noted. "January and February saw a turn around in orders and the level has been maintained through March and April. We are happy that American industry is again investing in its future. We are encouraged by the recently announced trade figures and the increases in machine tool exports. Furthermore, the improvements we have been seeing in the capital goods industries are beginning to be felt by wider segments of the economy."

(MORE)

Gray continued, "In recent years it has been popular to claim that manufacturing is no longer important to growth, as we move into a 'service' economy. Not so! American manufacturing is leading the way to a stronger economy. Productivity has gone up nearly 30% in the last few years. And, as U.S. manufacturing becomes more productive and more efficient, we see growing strength in both the export market and the domestic economy. Manufacturing is where that strength begins."

April 1988 machine tool shipments stood at $157.40 million, off 23.9% from the March figure of $206.70 million. Compared to April 1987, total machine tool shipments were down 8.7%, while year-to-date total shipments rose 3.8%.

Metal cutting machine tool shipments fell 30.8% for the month, from $137.75 million to $95.30 million. Monthly metal forming shipments were down 9.9%, from $68.95 million to $62.10 million.

Compared to April a year ago metal cutting machine tool shipments were off 17.7%, while metal forming machine tool shipments rose 9.9%. Year-to-date shipment figures show an 11.2% fall in shipments of metal cutting equipment, but a 41.6% rise for metal forming.

The machine tool order backlog for April 1988 rose to $1,428.60 million, up from the March figure of $1,333.00 million.

# # #

COMPARISON CHART

NET NEW ORDERS -- MACHINE TOOLS
(Millions of Dollars)

	METAL CUTTING			METAL FORMING			TOTAL Cutting and Forming		
	Domestic	Foreign	Total	Domestic	Foreign	Total	Domestic	Foreign	Total
APR 1988	146.45	48.85	195.30	47.00	10.70	57.70	193.45	59.55	253.00
MAR 1988	174.15	17.75	191.90	47.90	14.65	62.55	222.05	32.40	254.45
% CHANGE									
APR 1988:MAR 1988	-15.9	+175.2	+1.8	-1.9	-27.0	-7.8	-12.9	+83.8	-0.6
APR 1987	65.15	14.40	79.55	45.00	5.75	50.75	110.15	20.15	130.30
% CHANGE									
APR 1988:APR 1987	+124.8	+239.2	+145.5	+4.4	+86.1	+13.7	+75.6	+195.5	+94.2
YEAR TO DATE 1988	744.30	117.25	861.55	196.10	45.35	241.45	940.40	162.60	1,103.00
YEAR TO DATE 1987	356.70	48.95	405.65	149.70	38.65	188.35	506.40	87.60	594.00
% CHANGE									
1988 : 1987	+108.7	+139.5	+112.4	+31.0	+17.3	+28.2	+85.7	+85.6	+85.7

SHIPMENTS -- MACHINE TOOLS
(Millions of Dollars)

	METAL CUTTING			METAL FORMING			TOTAL Cutting and Forming		
	Domestic	Foreign	Total	Domestic	Foreign	Total	Domestic	Foreign	Total
APR 1988	82.20	13.10	95.30	51.70	10.40	62.10	133.90	23.50	157.40
MAR 1988	123.95	13.80	137.75	61.80	7.15	68.95	185.75	20.95	206.70
% CHANGE									
APR 1988:MAR 1988	-33.7	-5.1	-30.8	-16.3	+45.5	-9.9	-27.9	+12.2	-23.9
APR 1987	102.10	13.75	115.85	48.05	8.45	56.50	150.15	22.20	172.35
% CHANGE									
APR 1988:APR 1987	-19.5	-4.7	-17.7	+7.6	+23.1	+9.9	-10.8	+5.9	-8.7
YEAR TO DATE 1988	364.75	48.40	413.15	225.65	35.10	260.75	590.40	83.50	673.90
YEAR TO DATE 1987	413.20	51.80	465.00	157.80	26.35	184.15	571.00	78.15	649.15
% CHANGE									
1988 : 1987	-11.7	-6.6	-11.2	+43.0	+33.2	+41.6	+3.4	+6.8	+3.8

Source: National Machine Tool Builders' Association

TOTAL INDUSTRY ESTIMATE
MACHINE TOOLS - CUTTING AND FORMING
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)

DATE	NET NEW ORDERS Domestic	Foreign	Total	Order Backlog	SHIPMENTS Domestic	Foreign	Total
1987	$1,830.50	$ 288.30	$2,118.80	$ 999.50	$2,036.75	$ 286.90	$2,323.65
1988							
JAN	$ 266.05	$ 31.45	$ 297.50	$1,153.65	$ 125.65	$ 17.70	$ 143.35
FEB	$ 258.85	$ 39.20	$ 298.05	$1,285.25	$ 145.10	$ 21.35	$ 166.45
MAR	$ 222.05	$ 32.40	$ 254.45	$1,333.00	$ 185.75	$ 20.95	$ 206.70
APR (P)	$ 193.45	$ 59.55	$ 253.00	$1,428.60	$ 133.90	$ 23.50	$ 157.40
4 MONTHS	$ 940.40	$ 162.60	$1,103.00		$ 590.40	$ 83.50	$ 673.90

DATE	GROSS NEW ORDERS Domestic	Foreign	Total	CANCELLATIONS Domestic	Foreign	Total
1987	$1,949.10	$ 303.40	$2,252.50	$ 118.60	$ 15.10	$ 133.70
1988						
JAN	$ 268.95	$ 32.30	$ 301.25	$ 2.90	$ .85	$ 3.75
FEB	$ 265.15	$ 39.35	$ 304.50	$ 6.30	$ .15	$ 6.45
MAR	$ 227.55	$ 33.10	$ 260.65	$ 5.50	$ .70	$ 6.20
APR (P)	$ 208.15	$ 62.00	$ 270.15	$ 14.70	$ 2.45	$ 17.15
4 MONTHS	$ 969.80	$ 166.75	$1,136.55	$ 29.40	$ 4.15	$ 33.55

P - Preliminary
NOTE: This table includes industry estimate figures based on reports submitted to the National Machine Tool Builders' Association. These industry estimates have not been adjusted for change in the value of the dollar.

INDUSTRY ESTIMATE
METAL CUTTING TYPE MACHINE TOOLS
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)

DATE	NET NEW ORDERS Domestic	Foreign	Total	Order Backlog	SHIPMENTS Domestic	Foreign	Total
1987	$1,294.45	$ 157.00	$1,451.45	$ 672.20	$1,498.85	$ 177.65	$1,676.50
1988							
JAN	$ 205.75	$ 18.20	$ 223.95	$ 824.95	$ 61.60	$ 9.60	$ 71.20
FEB	$ 217.95	$ 32.45	$ 250.40	$ 966.45	$ 97.00	$ 11.90	$ 108.90
MAR	$ 174.15	$ 17.75	$ 191.90	$1,020.60	$ 123.95	$ 13.80	$ 137.75
APR (P)	$ 146.45	$ 48.85	$ 195.30	$1,120.60	$ 82.20	$ 13.10	$ 95.30
4 MONTHS	$ 744.30	$ 117.25	$ 861.55		$ 364.75	$ 48.40	$ 413.15

DATE	GROSS NEW ORDERS Domestic	Foreign	Total	CANCELLATIONS Domestic	Foreign	Total
1987	$1,365.85	$ 167.35	$1,533.20	$ 71.40	$ 10.35	$ 81.75
1988						
JAN	$ 207.35	$ 18.80	$ 226.15	$ 1.60	$ .60	$ 2.20
FEB	$ 221.05	$ 32.55	$ 253.60	$ 3.10	$ .10	$ 3.20
MAR	$ 178.10	$ 17.95	$ 196.05	$ 3.95	$ .20	$ 4.15
APR (P)	$ 150.30	$ 50.50	$ 200.80	$ 3.85	$ 1.65	$ 5.50
4 MONTHS	$ 756.80	$ 119.80	$ 876.60	$ 12.50	$ 2.55	$ 15.05

P - Preliminary
NOTE: This table includes industry estimate figures based on reports submitted to the National Machine Tool Builders' Association. These industry estimates have not been adjusted for change in the value of the dollar.

INDUSTRY ESTIMATE
METAL FORMING TYPE MACHINE TOOLS
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)

DATE	NET NEW ORDERS Domestic	Foreign	Total	Order Backlog	SHIPMENTS Domestic	Foreign	Total
1987	$ 536.05	$ 131.30	$ 667.35	$ 327.30	$ 537.90	$ 109.25	$ 647.15
1988							
JAN	$ 60.30	$ 13.25	$ 73.55	$ 328.70	$ 64.05	$ 8.10	$ 72.15
FEB	$ 40.90	$ 6.75	$ 47.65	$ 318.80	$ 48.10	$ 9.45	$ 57.55
MAR	$ 47.90	$ 14.65	$ 62.55	$ 312.40	$ 61.80	$ 7.15	$ 68.95
APR (P)	$ 47.00	$ 10.70	$ 57.70	$ 308.00	$ 51.70	$ 10.40	$ 62.10
4 MONTHS	$ 196.10	$ 45.35	$ 241.45		$ 225.65	$ 35.10	$ 260.75

DATE	GROSS NEW ORDERS Domestic	Foreign	Total	CANCELLATIONS Domestic	Foreign	Total
1987	$ 583.25	$ 136.05	$ 719.30	$ 47.20	$ 4.75	$ 51.95
1988						
JAN	$ 61.60	$ 13.50	$ 75.10	$ 1.30	$ .25	$ 1.55
FEB	$ 44.10	$ 6.80	$ 50.90	$ 3.20	$ .05	$ 3.25
MAR	$ 49.45	$ 15.15	$ 64.60	$ 1.55	$ .50	$ 2.05
APR (P)	$ 57.85	$ 11.50	$ 69.35	$ 10.85	$ .80	$ 11.65
4 MONTHS	$ 213.00	$ 46.95	$ 259.95	$ 16.90	$ 1.60	$ 18.50

P - Preliminary
NOTE: This table includes industry estimate figures based on reports submitted to the National Machine Tool Builders' Association. These industry estimates have not been adjusted for change in the value of the dollar.

6/22/88 A8050-1 A

News Release

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FOR RELEASE: June 27, 1988
Contact: Charles Pollock
Edwin Bowers

MACHINE TOOL ORDERS SURGE UPWARD IN MAY

According to figures released today by NMTBA - The Association For Manufacturing Technology - net new machine tool orders for May 1988 rose to $324.80 million, the highest monthly total since March 1981 (October 1979 orders reached a cyclical high of $565.05 million). Orders are up a strong 28.4% compared to April's $253.00 million.

Year-to-date total orders reached $1,427.80 million, 82.6% above the same period in 1987. Comparing May 1988 to May 1987, orders were up 72.7%.

Metal cutting machine tool orders rose to $242.85 million, up 24.3% for the month, while metal forming machine orders rose to $81.95 million, up 42.0%. Year-to-date figures for metal cutting stand at $1,104.40 million, up 100.6% compared to 1987, while metal forming rose to $323.40 million, up 39.6% for the year. Compared to May 1987 metal cutting orders are up 67.7% and metal forming orders are up 89.3%.

"We are delighted to report another good month for machine tool orders," said James A. Gray, NMTBA president. "And the good news is even better news because the rise is not concentrated in any particular segment of the industry, but reflects an across the board improvement in orders for U.S. machine tools."

Gray continued, "American manufacturing is making a comeback. U.S. manufacturers are upgrading their plants, becoming more efficient and more cost competitive. And they are buying American products to do it. Prophets, who had

(MORE)

NMTBA sponsors the: INTERNATIONAL MACHINE TOOL SHOW IMTS
The world of manufacturing technology

the decline of U.S. industry all but complete, may have to revise their thinking. Manufacturing was and is a strong and vital part of the total U.S. economy."

Total machine tool shipments for May 1988 rose 14.2% compared to April, up from $157.40 million to $179.70 million. Year-to-date shipments total $853.60 million, almost even with the $857.75 million for the same period a year ago. Compared to May a year ago, May 1988 shipments were off 13.9%.

Shipments of metal cutting machine tools rose to $111.25 million in May, 16.7% above April. Metal forming shipments stood at $68.45 million, 10.2% above the previous month. Year-to-date figures show a 16.3% drop in metal cutting shipments and a 42.4% rise in metal forming shipments. Compared to May a year ago, metal cutting shipments were down 31.2%, while metal forming shipments were up 45.8%.

The machine tool order backlog for May 1988 stood at $1,573.70 million, up from April's $1,428.60 million.

# # #

A8050-1

COMPARISON CHART

NET NEW ORDERS -- MACHINE TOOLS
(Millions of Dollars)

	METAL CUTTING			METAL FORMING			TOTAL Cutting and Forming		
	Domestic	Foreign	Total	Domestic	Foreign	Total	Domestic	Foreign	Total
MAY 1988	205.65	37.20	242.85	73.35	8.60	81.95	279.00	45.80	324.80
APR 1988	146.45	48.85	195.30	47.00	10.70	57.70	193.45	59.55	253.00
% CHANGE									
MAY 1988:APR 1988	+40.4	-23.8	+24.3	+56.1	-19.6	+42.0	+44.2	-23.1	+28.4
MAY 1987	139.60	5.20	144.80	36.50	6.80	43.30	176.10	12.00	188.10
% CHANGE									
MAY 1988:MAY 1987	+47.3	+615.4	+67.7	+101.0	+26.5	+89.3	+58.4	+281.7	+72.7
YEAR TO DATE 1988	949.95	154.45	1,104.40	269.45	53.95	323.40	1,219.40	208.40	1,427.80
YEAR TO DATE 1987	496.30	54.15	550.45	186.20	45.45	231.65	682.50	99.60	782.10
% CHANGE									
1988 : 1987	+91.4	+185.2	+100.6	+44.7	+18.7	+39.6	+78.7	+109.2	+82.6

SHIPMENTS -- MACHINE TOOLS
(Millions of Dollars)

	METAL CUTTING			METAL FORMING			TOTAL Cutting and Forming		
	Domestic	Foreign	Total	Domestic	Foreign	Total	Domestic	Foreign	Total
MAY 1988	100.25	11.00	111.25	57.35	11.10	68.45	157.60	22.10	179.70
APR 1988	82.20	13.10	95.30	51.70	10.40	62.10	133.90	23.50	157.40
% CHANGE									
MAY 1988:APR 1988	+22.0	-16.0	+16.7	+10.9	+6.7	+10.2	+17.7	-6.0	+14.2
MAY 1987	146.00	15.65	161.65	43.80	3.15	46.95	189.80	18.80	208.60
% CHANGE									
MAY 1988:MAY 1987	-31.3	-29.7	-31.2	+30.9	+252.4	+45.8	-17.0	+17.6	-13.9
YEAR TO DATE 1988	465.00	59.40	524.40	283.00	46.20	329.20	748.00	105.60	853.60
YEAR TO DATE 1987	559.20	67.45	626.65	201.60	29.50	231.10	760.80	96.95	857.75
% CHANGE									
1988 : 1987	-16.8	-11.9	-16.3	+40.4	+56.6	+42.4	-1.7	+8.9	-0.5

Source: National Machine Tool Builders' Association

TOTAL INDUSTRY ESTIMATE
MACHINE TOOLS - CUTTING AND FORMING
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)

DATE	NET NEW ORDERS Domestic	Foreign	Total	Order Backlog	SHIPMENTS Domestic	Foreign	Total
1987	$1,830.50	$ 288.30	$2,118.80	$ 999.50	$2,036.75	$ 286.90	$2,323.65
1988							
JAN	$ 266.05	$ 31.45	$ 297.50	$1,153.65	$ 125.65	$ 17.70	$ 143.35
FEB	$ 258.85	$ 39.20	$ 298.05	$1,285.25	$ 145.10	$ 21.35	$ 166.45
MAR	$ 222.05	$ 32.40	$ 254.45	$1,333.00	$ 185.75	$ 20.95	$ 206.70
APR	$ 193.45	$ 59.55	$ 253.00	$1,428.60	$ 133.90	$ 23.50	$ 157.40
MAY (P)	$ 279.00	$ 45.80	$ 324.80	$1,573.70	$ 157.60	$ 22.10	$ 179.70
5 MONTHS	$1,219.40	$ 208.40	$1,427.80		$ 748.00	$ 105.60	$ 853.60

DATE	GROSS NEW ORDERS Domestic	Foreign	Total	CANCELLATIONS Domestic	Foreign	Total
1987	$1,949.10	$ 303.40	$2,252.50	$ 118.60	$ 15.10	$ 133.70
1988						
JAN	$ 268.95	$ 32.30	$ 301.25	$ 2.90	$ .85	$ 3.75
FEB	$ 265.15	$ 39.35	$ 304.50	$ 6.30	$ .15	$ 6.45
MAR	$ 227.55	$ 33.10	$ 260.65	$ 5.50	$ .70	$ 6.20
APR	$ 208.15	$ 62.00	$ 270.15	$ 14.70	$ 2.45	$ 17.15
MAY (P)	$ 287.30	$ 46.10	$ 333.40	$ 8.30	$ .30	$ 8.60
5 MONTHS	$1,257.10	$ 212.85	$1,469.95	$ 37.70	$ 4.45	$ 42.15

P - Preliminary
NOTE: This table includes industry estimate figures based on reports submitted to the National Machine Tool Builders' Association. These industry estimates have not been adjusted for change in the value of the dollar.

INDUSTRY ESTIMATE
METAL CUTTING TYPE MACHINE TOOLS
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)

DATE	NET NEW ORDERS Domestic	Foreign	Total	Order Backlog	SHIPMENTS Domestic	Foreign	Total
1987	$1,294.45	$ 157.00	$1,451.45	$ 672.20	$1,498.85	$ 177.65	$1,676.50
1988							
JAN	$ 205.75	$ 18.20	$ 223.95	$ 824.95	$ 61.60	$ 9.60	$ 71.20
FEB	$ 217.95	$ 32.45	$ 250.40	$ 966.45	$ 97.00	$ 11.90	$ 108.90
MAR	$ 174.15	$ 17.75	$ 191.90	$1,020.60	$ 123.95	$ 13.80	$ 137.75
APR	$ 146.45	$ 48.85	$ 195.30	$1,120.60	$ 82.20	$ 13.10	$ 95.30
MAY (P)	$ 205.65	$ 37.20	$ 242.85	$1,252.20	$ 100.25	$ 11.00	$ 111.25
5 MONTHS	$ 949.95	$ 154.45	$1,104.40		$ 465.00	$ 59.40	$ 524.40

DATE	GROSS NEW ORDERS Domestic	Foreign	Total	CANCELLATIONS Domestic	Foreign	Total
1987	$1,365.85	$ 167.35	$1,533.20	$ 71.40	$ 10.35	$ 81.75
1988						
JAN	$ 207.35	$ 18.80	$ 226.15	$ 1.60	$ .60	$ 2.20
FEB	$ 221.05	$ 32.55	$ 253.60	$ 3.10	$ .10	$ 3.20
MAR	$ 178.10	$ 17.95	$ 196.05	$ 3.95	$ .20	$ 4.15
APR	$ 150.30	$ 50.50	$ 200.80	$ 3.85	$ 1.65	$ 5.50
MAY (P)	$ 210.40	$ 37.45	$ 247.85	$ 4.75	$ .25	$ 5.00
5 MONTHS	$ 967.20	$ 157.25	$1,124.45	$ 17.25	$ 2.80	$ 20.05

P - Preliminary
NOTE: This table includes industry estimate figures based on reports submitted to the National Machine Tool Builders' Association. These industry estimates have not been adjusted for change in the value of the dollar.

INDUSTRY ESTIMATE
METAL FORMING TYPE MACHINE TOOLS
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)

DATE	NET NEW ORDERS Domestic	Foreign	Total	Order Backlog	SHIPMENTS Domestic	Foreign	Total
1987	$ 536.05	$ 131.30	$ 667.35	$ 327.30	$ 537.90	$ 109.25	$ 647.15
1988							
JAN	$ 60.30	$ 13.25	$ 73.55	$ 328.70	$ 64.05	$ 8.10	$ 72.15
FEB	$ 40.90	$ 6.75	$ 47.65	$ 318.80	$ 48.10	$ 9.45	$ 57.55
MAR	$ 47.90	$ 14.65	$ 62.55	$ 312.40	$ 61.80	$ 7.15	$ 68.95
APR	$ 47.00	$ 10.70	$ 57.70	$ 308.00	$ 51.70	$ 10.40	$ 62.10
MAY (P)	$ 73.35	$ 8.60	$ 81.95	$ 321.50	$ 57.35	$ 11.10	$ 68.45
5 MONTHS	$ 269.45	$ 53.95	$ 323.40		$ 283.00	$ 46.20	$ 329.20

DATE	GROSS NEW ORDERS Domestic	Foreign	Total	CANCELLATIONS Domestic	Foreign	Total
1987	$ 583.25	$ 136.05	$ 719.30	$ 47.20	$ 4.75	$ 51.95
1988						
JAN	$ 61.60	$ 13.50	$ 75.10	$ 1.30	$ .25	$ 1.55
FEB	$ 44.10	$ 6.80	$ 50.90	$ 3.20	$ .05	$ 3.25
MAR	$ 49.45	$ 15.15	$ 64.60	$ 1.55	$ .50	$ 2.05
APR	$ 57.85	$ 11.50	$ 69.35	$ 10.85	$ .80	$ 11.65
MAY (P)	$ 76.90	$ 8.65	$ 85.55	$ 3.55	$ .05	$ 3.60
5 MONTHS	$ 289.90	$ 55.60	$ 345.50	$ 20.45	$ 1.65	$ 22.10

P - Preliminary
NOTE: This table includes industry estimate figures based on reports submitted to the National Machine Tool Builders' Association. These industry estimates have not been adjusted for change in the value of the dollar.

7/25/88 A8050-1 A

NEWS

NMTBA
The Association For
Manufacturing Technology

FOR RELEASE: July 25, 1988
Contact: Charles Pollock
Edwin Bowers

FIRST HALF MACHINE TOOL ORDERS UP 83.8%

At mid-year, orders for U.S.-made machine tools were up 83.8% compared to 1987's first half, according to figures released today by NMTBA - The Association for Manufacturing Technology. First half orders totaled $1,810.15 million. Net new machine tool orders for June 1988 reached $382.45 million, up 17.8% from May's $324.70 million and up 88.6% from June 1987.

"It's been awhile since we've had half a year of good news to report," said James A. Gray, president of NMTBA. "All segments of the machine tool industry are doing well. Both the domestic and the foreign markets for U.S. equipment have gained strength. Anyway you look at it, this year has been a turnaround time for the U.S. machine tool industry. American manufacturing is undergoing a long-awaited recovery."

Mr. Gray continued, "You have to look all the way back to 1981 to see similar order totals. The mid-80's were a down and difficult period for capital goods industries. An overpriced dollar created a massive trade imbalance. Uncertainty over tax policy created a sense of unease among investors. A wait-and-see attitude pervaded. Now, we see a renewed sense of optimism and a growing trust in the future strength of America's manufacturing industries."

He added, "Our giant manufacturing technology show, IMTS-88, could not be happening at a more opportune time. We look forward with special enthusiasm to this year's show, to be held at Chicago's McCormick Place, September 7-15."

(MORE)

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However, Gray sounded a note of caution when he pointed out that "1988's machine tool order rate is still well below the average constant-dollar levels of the 1950s, '60s and '70s." (See attached graph.)

June 1988 metal cutting machine tool orders stood at $238.95 million, 1.6% below May's figure of $242.85 million. Orders for metal forming equipment rose to $143.50 million, up 75.3% from May's $81.85 million. Compared to June 1987, metal cutting orders are up 107.9% and metal forming orders are up 63.4%. Year-to-date figures for metal cutting machine tool orders reached $1,343.35 million, up 101.9% compared to 1987, while metal forming orders reached $466.80 million, a 46.1% rise.

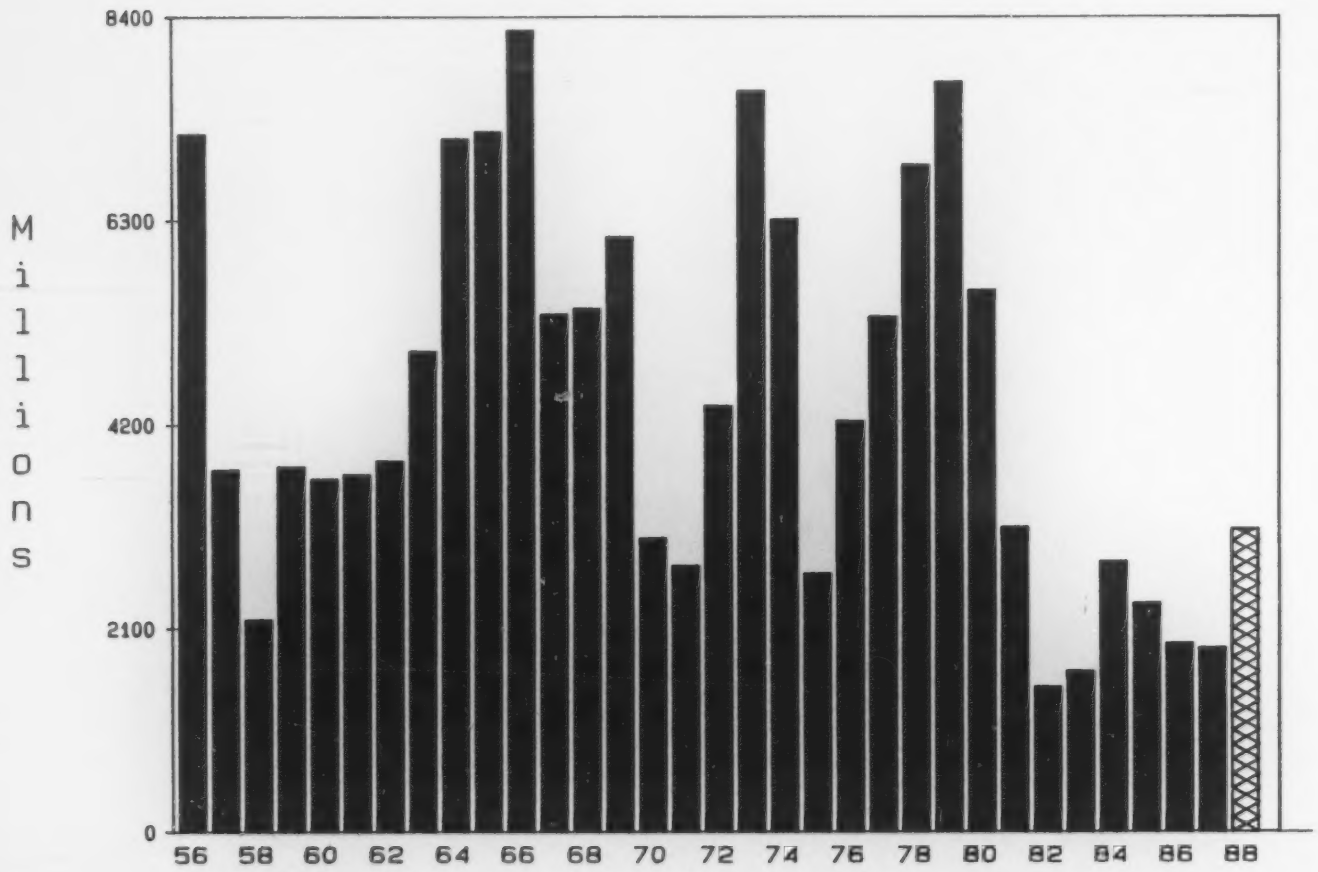
Total machine tool shipments for June rose 18.1% compared to May, up from $179.70 million to $212.20 million. Compared to June a year ago, total shipments were off 9.0%, while year-to-date shipments fell 2.3%.

Metal cutting machine tool shipments rose to $131.85 million, up 18.5% for the month, and off 20.1% compared to June 1987. Metal forming shipments reached $80.35 million, a 17.4% rise for the month and an 18.1% rise compared to the same month last year. Compared to 1987, year-to-date metal cutting equipment shipments dropped 17.1% while shipments of metal forming equipment rose 36.9%.

The machine tool order backlog for June 1988 stood at $1,743.85 million, up from May's $1,573.60 million.

# # #

MACHINE TOOL NET NEW ORDERS, 1956-88
IN CONSTANT 1982 $



Note: 1988 based on six months data annualized.
Source: NMTBA - The Assn. for Mfg. Technology

TOTAL INDUSTRY ESTIMATE
MACHINE TOOLS - CUTTING AND FORMING
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)

DATE	NET NEW ORDERS Domestic	NET NEW ORDERS Foreign	NET NEW ORDERS Total	Order Backlog	SHIPMENTS Domestic	SHIPMENTS Foreign	SHIPMENTS Total
1987	$1,830.50	$ 288.30	$2,118.80	$ 999.50	$2,036.75	$ 286.90	$2,323.65
1988							
JAN	$ 266.05	$ 31.45	$ 297.50	$1,153.65	$ 125.65	$ 17.70	$ 143.35
FEB	$ 258.85	$ 39.20	$ 298.05	$1,285.25	$ 145.10	$ 21.35	$ 166.45
MAR	$ 222.05	$ 32.40	$ 254.45	$1,333.00	$ 185.75	$ 20.95	$ 206.70
APR	$ 193.45	$ 59.55	$ 253.00	$1,428.60	$ 133.90	$ 23.50	$ 157.40
MAY	$ 278.90	$ 45.80	$ 324.70	$1,573.60	$ 157.60	$ 22.10	$ 179.70
JUN (P)	$ 345.45	$ 37.00	$ 382.45	$1,743.85	$ 184.30	$ 27.90	$ 212.20
6 MONTHS	$1,564.75	$ 245.40	$1,810.15		$ 932.30	$ 133.50	$1,065.80

DATE	GROSS NEW ORDERS Domestic	GROSS NEW ORDERS Foreign	GROSS NEW ORDERS Total	CANCELLATIONS Domestic	CANCELLATIONS Foreign	CANCELLATIONS Total
1987	$1,949.10	$ 303.40	$2,252.50	$ 118.60	$ 15.10	$ 133.70
1988						
JAN	$ 268.95	$ 32.30	$ 301.25	$ 2.90	$ .85	$ 3.75
FEB	$ 265.15	$ 39.35	$ 304.50	$ 6.30	$ .15	$ 6.45
MAR	$ 227.55	$ 33.10	$ 260.65	$ 5.50	$ .70	$ 6.20
APR	$ 208.15	$ 62.00	$ 270.15	$ 14.70	$ 2.45	$ 17.15
MAY	$ 287.20	$ 46.10	$ 333.30	$ 8.30	$ .30	$ 8.60
JUN (P)	$ 352.60	$ 38.40	$ 391.00	$ 7.15	$ 1.40	$ 8.55
6 MONTHS	$1,609.60	$ 251.25	$1,860.85	$ 44.85	$ 5.85	$ 50.70

P - Preliminary
NOTE: This table includes industry estimate figures based on reports submitted to the NMTBA - The Association for Manufacturing Technology. These industry estimates have not been adjusted for change in the value of the dollar.

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COMPARISON CHART

NET NEW ORDERS -- MACHINE TOOLS
(Millions of Dollars)

	METAL CUTTING			METAL FORMING			TOTAL Cutting and Forming		
	Domestic	Foreign	Total	Domestic	Foreign	Total	Domestic	Foreign	Total
JUN 1988	211.15	27.80	238.95	134.30	9.20	143.50	345.45	37.00	382.45
MAY 1988	205.65	37.20	242.85	73.25	8.60	81.85	278.90	45.80	324.70
% CHANGE									
JUN 1988:MAY 1988	+2.7	-25.3	-1.6	+83.3	+7.0	+75.3	+23.9	-19.2	+17.8
JUN 1987	98.85	16.10	114.95	78.45	9.35	87.80	177.30	25.45	202.75
% CHANGE									
JUN 1988:JUN 1987	+113.6	+72.7	+107.9	+71.2	-1.6	+63.4	+94.8	+45.4	+88.6
YEAR TO DATE 1988	1,161.10	182.25	1,343.35	403.65	63.15	466.80	1,564.75	245.40	1,810.15
YEAR TO DATE 1987	595.15	70.25	665.40	264.65	54.80	319.45	859.80	125.05	984.85
% CHANGE									
1988 : 1987	+95.1	+159.4	+101.9	+52.5	+15.2	+46.1	+82.0	+96.2	+83.8

SHIPMENTS -- MACHINE TOOLS
(Millions of Dollars)

	METAL CUTTING			METAL FORMING			TOTAL Cutting and Forming		
	Domestic	Foreign	Total	Domestic	Foreign	Total	Domestic	Foreign	Total
JUN 1988	115.15	16.70	131.85	69.15	11.20	80.35	184.30	27.90	212.20
MAY 1988	100.25	11.00	111.25	57.35	11.10	68.45	157.60	22.10	179.70
% CHANGE									
JUN 1988:MAY 1988	+14.9	+51.8	+18.5	+20.6	+0.9	+17.4	+16.9	+26.2	+18.1
JUN 1987	148.20	16.90	165.10	54.65	13.40	68.05	202.85	30.30	233.15
% CHANGE									
JUN 1988:JUN 1987	-22.3	-1.2	-20.1	+26.5	-16.4	+18.1	-9.1	-7.9	-9.0
YEAR TO DATE 1988	580.15	76.10	656.25	352.15	57.40	409.55	932.30	133.50	1,065.80
YEAR TO DATE 1987	707.40	84.35	791.75	256.25	42.90	299.15	963.65	127.25	1,090.90
% CHANGE									
1988 : 1987	-18.0	-9.8	-17.1	+37.4	+33.8	+36.9	-3.3	+4.9	-2.3

Source: NMTBA - The Association for Manufacturing Technology

INDUSTRY ESTIMATE
METAL CUTTING TYPE MACHINE TOOLS
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)

DATE	NET NEW ORDERS Domestic	Foreign	Total	Order Backlog	SHIPMENTS Domestic	Foreign	Total
1987	$1,294.45	$ 157.00	$1,451.45	$ 672.20	$1,498.85	$ 177.65	$1,676.50
1988							
JAN	$ 205.75	$ 18.20	$ 223.95	$ 824.95	$ 61.60	$ 9.60	$ 71.20
FEB	$ 217.95	$ 32.45	$ 250.40	$ 966.45	$ 97.00	$ 11.90	$ 108.90
MAR	$ 174.15	$ 17.75	$ 191.90	$1,020.60	$ 123.95	$ 13.80	$ 137.75
APR	$ 146.45	$ 48.85	$ 195.30	$1,120.60	$ 82.20	$ 13.10	$ 95.30
MAY	$ 205.65	$ 37.20	$ 242.85	$1,252.20	$ 100.25	$ 11.00	$ 111.25
JUN (P)	$ 211.15	$ 27.80	$ 238.95	$1,359.30	$ 115.15	$ 16.70	$ 131.85
6 MONTHS	$1,161.10	$ 182.25	$1,343.35		$ 580.15	$ 76.10	$ 656.25

DATE	GROSS NEW ORDERS Domestic	Foreign	Total	CANCELLATIONS Domestic	Foreign	Total
1987	$1,365.85	$ 167.35	$1,533.20	$ 71.40	$ 10.35	$ 81.75
1988						
JAN	$ 207.35	$ 18.80	$ 226.15	$ 1.60	$ .60	$ 2.20
FEB	$ 221.05	$ 32.55	$ 253.60	$ 3.10	$ .10	$ 3.20
MAR	$ 178.10	$ 17.95	$ 196.05	$ 3.95	$ .20	$ 4.15
APR	$ 150.30	$ 50.50	$ 200.80	$ 3.85	$ 1.65	$ 5.50
MAY	$ 210.40	$ 37.45	$ 247.85	$ 4.75	$ .25	$ 5.00
JUN (P)	$ 217.40	$ 29.10	$ 246.50	$ 6.25	$ 1.30	$ 7.55
6 MONTHS	$1,184.60	$ 186.35	$1,370.95	$ 23.50	$ 4.10	$ 27.60

P - Preliminary
NOTE: This table includes industry estimate figures based on reports submitted to the NMTBA - The Association for Manufacturing Technology. These industry estimates have not been adjusted for change in the value of the dollar.

INDUSTRY ESTIMATE
METAL FORMING TYPE MACHINE TOOLS
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)

DATE	NET NEW ORDERS Domestic	Foreign	Total	Order Backlog	SHIPMENTS Domestic	Foreign	Total
1987	$ 536.05	$ 131.30	$ 667.35	$ 327.30	$ 537.90	$ 109.25	$ 647.15
1988							
JAN	$ 60.30	$ 13.25	$ 73.55	$ 328.70	$ 64.05	$ 8.10	$ 72.15
FEB	$ 40.90	$ 6.75	$ 47.65	$ 318.80	$ 48.10	$ 9.45	$ 57.55
MAR	$ 47.90	$ 14.65	$ 62.55	$ 312.40	$ 61.80	$ 7.15	$ 68.95
APR	$ 47.00	$ 10.70	$ 57.70	$ 308.00	$ 51.70	$ 10.40	$ 62.10
MAY	$ 73.25	$ 8.60	$ 81.85	$ 321.40	$ 57.35	$ 11.10	$ 68.45
JUN (P)	$ 134.30	$ 9.20	$ 143.50	$ 384.55	$ 69.15	$ 11.20	$ 80.35
6 MONTHS	$ 403.65	$ 63.15	$ 466.80		$ 352.15	$ 57.40	$ 409.55

DATE	GROSS NEW ORDERS Domestic	Foreign	Total	CANCELLATIONS Domestic	Foreign	Total
1987	$ 583.25	$ 136.05	$ 719.30	$ 47.20	$ 4.75	$ 51.95
1988						
JAN	$ 61.60	$ 13.50	$ 75.10	$ 1.30	$ .25	$ 1.55
FEB	$ 44.10	$ 6.80	$ 50.90	$ 3.20	$ .05	$ 3.25
MAR	$ 49.45	$ 15.15	$ 64.60	$ 1.55	$ .50	$ 2.05
APR	$ 57.85	$ 11.50	$ 69.35	$ 10.85	$ .80	$ 11.65
MAY	$ 76.80	$ 8.65	$ 85.45	$ 3.55	$ .05	$ 3.60
JUN (P)	$ 135.20	$ 9.30	$ 144.50	$ .90	$ .10	$ 1.00
6 MONTHS	$ 425.00	$ 64.90	$ 489.90	$ 21.35	$ 1.75	$ 23.10

P - Preliminary
NOTE: This table includes industry estimate figures based on reports submitted to the NMTBA - The Association for Manufacturing Technology. These industry estimates have not been adjusted for change in the value of the dollar.

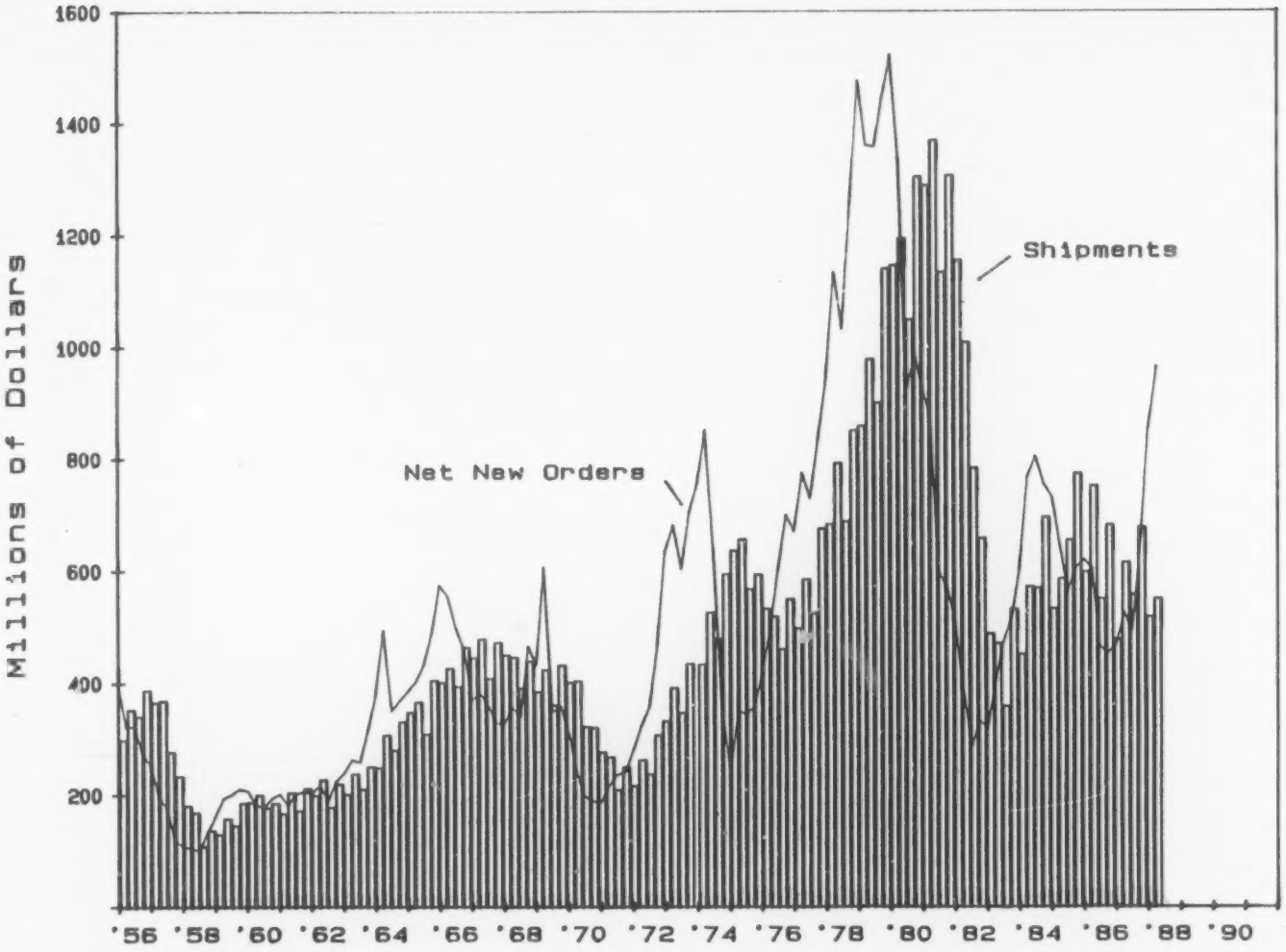
(Dollar Figures in Thousands)
1982 to Date

DATE	Cutting and Forming SHIPMENTS Total	Cutting and Forming SHIPMENTS Foreign	Cutting and Forming NET NEW ORDERS	Cutting SHIPMENTS Total	Cutting SHIPMENTS Foreign	Cutting NET NEW ORDERS	Forming SHIPMENTS Total	Forming SHIPMENTS Foreign	Forming NET NEW ORDERS
1982-1	$1,154,200	$112,650	$ 506,800	$ 933,050	$ 71,750	$ 384,850	$ 221,150	$ 40,900	$ 121,950
2	1,008,450	96,600	382,650	810,650	75,350	274,750	197,800	21,250	107,900
3	783,400	107,200	279,950	640,450	89,750	183,450	142,950	17,450	96,500
4	658,350	89,600	328,350	510,600	59,300	221,400	147,750	30,300	106,950
Total	$3,604,400	$406,050	$1,497,750	$2,894,750	$296,150	$1,064,450	$ 709,650	$ 109,900	$ 433,300
1983-1	$ 487,450	$ 56,650	$ 314,850	$ 370,600	$ 40,800	$ 224,100	$ 116,850	$ 15,850	$ 90,750
2	469,650	58,300	399,100	357,500	49,300	269,300	112,150	9,000	129,800
3	357,050	42,900	468,150	252,350	32,200	322,200	104,700	10,700	145,950
4	530,900	57,150	514,050	391,050	49,600	336,050	139,850	7,550	178,000
Total	$1,845,050	$215,000	$1,696,150	$1,371,500	$171,900	$1,151,650	$ 473,550	$ 43,100	$ 544,500
1984-1	$ 449,500	$ 40,550	$ 600,450	$ 298,100	$ 25,100	$ 412,750	$ 151,400	$ 15,450	$ 187,700
2	572,300	50,700	764,400	401,800	28,250	499,200	170,500	22,450	265,200
3	568,850	41,850	800,200	401,550	24,300	493,000	167,300	17,550	307,200
4	695,200	60,150	750,750	505,050	45,000	510,850	190,150	15,150	239,900
Total	$2,285,850	$193,250	$2,915,800	$1,606,500	$122,650	$1,915,800	$ 679,350	$ 70,600	$1,000,000
1985-1	$ 531,700	$ 48,950	$ 728,250	$ 357,050	$ 37,150	$ 528,500	$ 174,650	$ 11,800	$ 199,750
2	586,050	37,700	641,400	385,000	27,450	475,700	201,050	10,250	165,700
3	654,650	58,250	558,450	443,050	35,950	404,750	211,600	22,300	153,700
4	772,800	108,850	600,000	557,150	93,200	444,150	215,650	15,650	155,850
Total	$2,545,200	$253,750	$2,528,100	$1,742,250	$193,750	$1,853,100	$ 802,950	$ 60,000	$ 675,000
1986-1	$ 597,300	$ 67,500	$ 615,750	$ 386,950	$ 55,200	$ 463,500	$ 210,350	$ 12,300	$ 152,250
2	751,000	64,100	600,600	569,350	49,500	434,650	181,650	14,600	165,950
3	549,350	64,200	459,650	418,700	49,500	344,050	130,650	14,700	115,600
4	680,850	76,650	449,300	515,300	51,400	302,050	165,550	25,250	147,250
Total	$2,578,500	$272,450	$2,125,300	$1,890,300	$205,600	$1,544,250	$ 688,200	$ 66,850	$ 581,050
1987-1	$ 476,800	$ 55,950	$ 463,700	$ 349,150	$ 38,050	$ 326,100	$ 127,650	$ 17,900	$ 137,600
2	614,100	71,300	521,150	442,600	46,300	339,300	171,500	25,000	181,850
3	556,650	66,300	487,850	397,750	43,350	324,550	158,900	22,950	163,300
4	676,100	93,350	646,100	487,000	49,950	461,500	189,100	43,400	184,600
Total	$2,323,650	$286,900	$2,118,800	$1,676,500	$177,650	$1,451,450	$ 647,150	$ 109,250	$ 667,350
1988-1	$ 516,500	$ 60,000	$ 850,000	$ 317,850	$ 35,300	$ 666,250	$ 198,650	$ 24,700	$ 183,750
2P	549,300	73,550	960,150	338,400	40,800	677,100	210,900	32,750	283,050
Total	$1,065,800	$133,550	$1,810,150	$ 656,250	$ 76,100	$1,343,350	$ 409,550	$ 57,450	$ 466,800

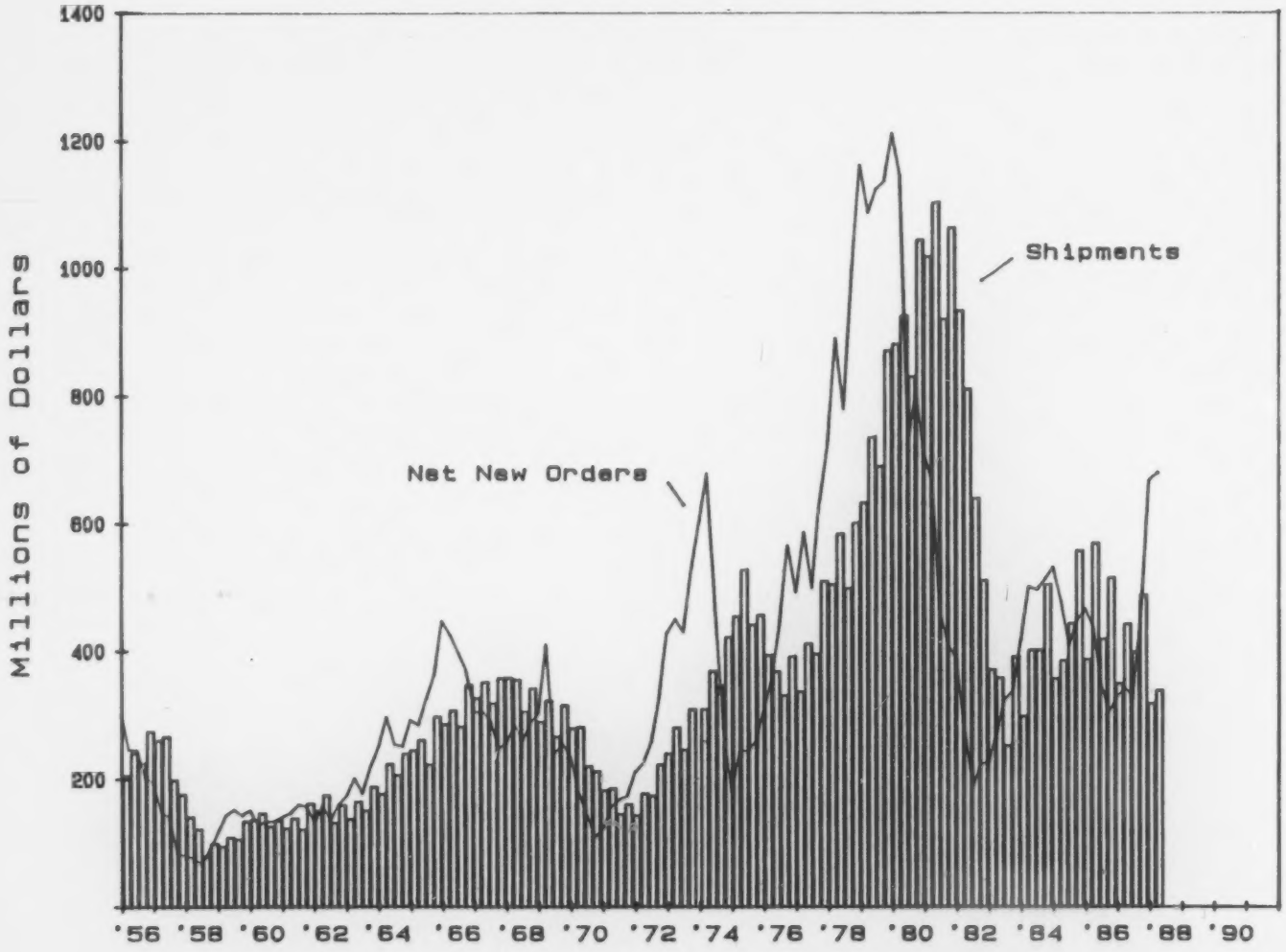
P - Preliminary
NOTE: These data series are available back to 1956. To obtain a copy of the tables for 1956 through 1988, contact: NMTBA Statistical Department, 7901 Westpark Drive, Mclean, Virginia 22102-4269. Phone: 703:893-2900
Source: NMTBA - The Association for Manufacturing Technology

July 25, 1988

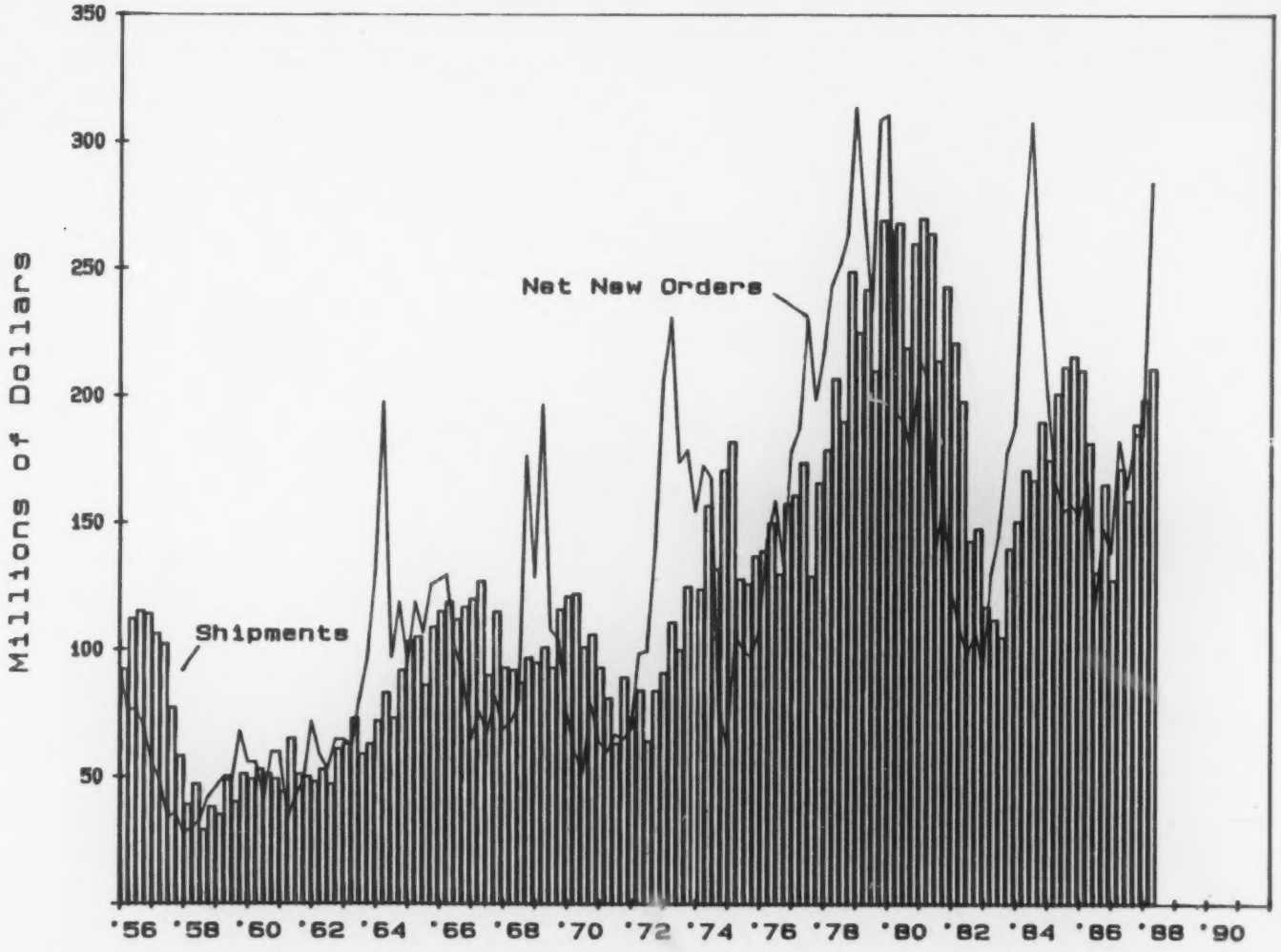
Total Machine Tools
Shipments (Bar) and Net New Orders (Line)
Quarterly, 1956: 1 to 1988: 2



Metal Cutting Machine Tools
Shipments (Bar) and Net New Orders (Line)
Quarterly, 1956: 1 to 1988: 2



Metal Forming Machine Tools
Shipments (Bar) and Net New Orders (Line)
Quarterly, 1956: 1 to 1988: 2



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NEWS

NMTBA
The Association For
Manufacturing Technology

FOR RELEASE: August 29, 1988
Contact: Charles Pollock
Edwin Bowers

MACHINE TOOL ORDERS UP 80.1% IN 1988

Compared to the first seven months of 1987, 1988 machine tool orders are up 80.1%, according to figures released today by NMTBA - The Association for Manufacturing Technology. Year-to-date orders totaled $2,066.75 million, with metal cutting equipment orders reaching $1,530.05 million, 99.4% ahead of last year, and metal forming orders standing at $536.70 million, up 41.1%.

Total machine tool orders are down 33.1% for the month of July, falling from $382.80 million to $256.25 million. However, compared to July a year ago, orders are up 57.2%.

Metal cutting machine tool orders for July stood at $187.30 million, down 21.4% from June's $238.35 million. Metal forming orders fell to $68.95 million, down 52.3% from June's $144.45 million. Compared to July a year ago, metal cutting orders are up 83.4%, while metal forming orders are up 13.2%.

"A drop in new orders is not unusual in July, especially in a show year, so we are not surprised that the monthly figures are down," said James A. Gray, president of NMTBA. "On the eve of IMTS-88, our giant manufacturing technology show (September 7 - 15 in Chicago), we are increasingly optimistic. The yearly rise in new machine tool orders, combined with the market forces that we know are out there, give us reason to look forward to an especially successful event. Many manufacturers are operating near capacity and are looking to upgrade or

(MORE)

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modernize their facilities. Shopping overseas is no longer the bargain it once was. In fact, U.S. and foreign companies alike are purchasing American-made machine tools in increasing numbers."

Total machine tool shipments for July 1988 fell to $188.30 million, down 12.0% from June's $214.05 million. Compared to July a year ago, total shipments were off 4.8%, while year-to-date shipments were down 2.5%.

Metal cutting machine tool shipments rose to $134.60 million, up 1.4% for the month, and off 1.2% compared to July 1987. Metal forming shipments stood at $53.70 million, down 33.9% for the month and 12.7% compared to the same month last year. Compared to 1987, year-to-date metal cutting equipment shipments dropped 14.7% while shipments of metal forming equipment rose 28.7%.

The machine tool order backlog for July 1988 stood at $1,810.30 million, up from June's $1,742.35 million.

# # #

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COMPARISON CHART

NET NEW ORDERS -- MACHINE TOOLS
(Millions of Dollars)

	METAL CUTTING			METAL FORMING			TOTAL Cutting and Forming		
	Domestic	Foreign	Total	Domestic	Foreign	Total	Domestic	Foreign	Total
JUL 1988	167.80	19.50	187.30	54.15	14.80	68.95	221.95	34.30	256.25
JUN 1988	210.65	27.70	238.35	134.60	9.85	144.45	345.25	37.55	382.80
% CHANGE									
JUL 1988:JUN 1988	-20.3	-29.6	-21.4	-59.8	+50.3	-52.3	-35.7	-8.7	-33.1
JUL 1987	84.60	17.50	102.10	43.90	17.00	60.90	128.50	34.50	163.00
% CHANGE									
JUL 1988:JUL 1987	+98.3	+11.4	+83.4	+23.3	-12.9	+13.2	+72.7	-0.6	+57.2
YEAR TO DATE 1988	1,328.40	201.65	1,530.05	458.10	78.60	536.70	1,786.50	280.25	2,066.75
YEAR TO DATE 1987	679.75	87.75	767.50	308.55	71.80	380.35	988.30	159.55	1,147.85
% CHANGE									
1988 : 1987	+95.4	+129.8	+99.4	+48.5	+9.5	+41.1	+80.8	+75.7	+80.1

SHIPMENTS -- MACHINE TOOLS
(Millions of Dollars)

	METAL CUTTING			METAL FORMING			TOTAL Cutting and Forming		
	Domestic	Foreign	Total	Domestic	Foreign	Total	Domestic	Foreign	Total
JUL 1988	126.00	8.60	134.60	44.05	9.65	53.70	170.05	18.25	188.30
JUN 1988	116.00	16.80	132.80	69.25	12.00	81.25	185.25	28.80	214.05
% CHANGE									
JUL 1988:JUN 1988	+8.6	-48.8	+1.4	-36.4	-19.6	-33.9	-8.2	-36.6	-12.0
JUL 1987	127.90	8.40	136.30	54.35	7.15	61.50	182.25	15.55	197.80
% CHANGE									
JUL 1988:JUL 1987	-1.5	+2.4	-1.2	-19.0	+35.0	-12.7	-6.7	+17.4	-4.8
YEAR TO DATE 1988	707.00	84.80	791.80	396.30	67.85	464.15	1,103.30	152.65	1,255.95
YEAR TO DATE 1987	835.30	92.75	928.05	310.60	50.05	360.65	1,145.90	142.80	1,288.70
% CHANGE									
1988 : 1987	-15.4	-8.6	-14.7	+27.6	+35.6	+28.7	-3.7	+6.9	-2.5

Source: NMTBA - The Association for Manufacturing Technology

TOTAL INDUSTRY ESTIMATE
MACHINE TOOLS - CUTTING AND FORMING
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)

DATE	NET NEW ORDERS Domestic	Foreign	Total	Order Backlog	SHIPMENTS Domestic	Foreign	Total
1987	$1,830.50	$ 288.30	$2,118.80	$ 999.50	$2,036.75	$ 286.90	$2,323.65
1988							
JAN	$ 266.05	$ 31.45	$ 297.50	$1,153.65	$ 125.65	$ 17.70	$ 143.35
FEB	$ 258.85	$ 39.20	$ 298.05	$1,285.25	$ 145.10	$ 21.35	$ 166.45
MAR	$ 222.05	$ 32.40	$ 254.45	$1,333.00	$ 185.75	$ 20.95	$ 206.70
APR	$ 193.45	$ 59.55	$ 253.00	$1,428.60	$ 133.90	$ 23.50	$ 157.40
MAY	$ 278.90	$ 45.80	$ 324.70	$1,573.60	$ 157.60	$ 22.10	$ 179.70
JUN	$ 345.25	$ 37.55	$ 382.80	$1,742.35	$ 185.25	$ 28.80	$ 214.05
JUL (P)	$ 221.95	$ 34.30	$ 256.25	$1,810.30	$ 170.05	$ 18.25	$ 188.30
7 MONTHS	$1,786.50	$ 280.25	$2,066.75		$1,103.30	$ 152.65	$1,255.95

DATE	GROSS NEW ORDERS Domestic	Foreign	Total	CANCELLATIONS Domestic	Foreign	Total
1987	$1,949.10	$ 303.40	$2,252.50	$ 118.60	$ 15.10	$ 133.70
1988						
JAN	$ 268.95	$ 32.30	$ 301.25	$ 2.90	$ .85	$ 3.75
FEB	$ 265.15	$ 39.35	$ 304.50	$ 6.30	$ .15	$ 6.45
MAR	$ 227.55	$ 33.10	$ 260.65	$ 5.50	$ .70	$ 6.20
APR	$ 208.15	$ 62.00	$ 270.15	$ 14.70	$ 2.45	$ 17.15
MAY	$ 287.20	$ 46.10	$ 333.30	$ 8.30	$ .30	$ 8.60
JUN	$ 352.35	$ 38.95	$ 391.30	$ 7.10	$ 1.40	$ 8.50
JUL (P)	$ 227.45	$ 34.75	$ 262.20	$ 5.50	$ .45	$ 5.95
7 MONTHS	$1,836.80	$ 286.55	$2,123.35	$ 50.30	$ 6.30	$ 56.60

P - Preliminary
NOTE: This table includes industry estimate figures based on reports submitted to the NMTBA - The Association for Manufacturing Technology. These industry estimates have not been adjusted for change in the value of the dollar.

INDUSTRY ESTIMATE
METAL CUTTING TYPE MACHINE TOOLS
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)

DATE	NET NEW ORDERS Domestic	Foreign	Total	Order Backlog	SHIPMENTS Domestic	Foreign	Total
1987	$1,294.45	$ 157.00	$1,451.45	$ 672.20	$1,498.85	$ 177.65	$1,676.50
1988							
JAN	$ 205.75	$ 18.20	$ 223.95	$ 824.95	$ 61.60	$ 9.60	$ 71.20
FEB	$ 217.95	$ 32.45	$ 250.40	$ 966.45	$ 97.00	$ 11.90	$ 108.90
MAR	$ 174.15	$ 17.75	$ 191.90	$1,020.60	$ 123.95	$ 13.80	$ 137.75
APR	$ 146.45	$ 48.85	$ 195.30	$1,120.60	$ 82.20	$ 13.10	$ 95.30
MAY	$ 205.65	$ 37.20	$ 242.65	$1,252.20	$ 100.25	$ 11.00	$ 111.25
JUN	$ 210.65	$ 27.70	$ 238.35	$1,357.75	$ 116.00	$ 16.80	$ 132.80
JUL (P)	$ 167.80	$ 19.50	$ 187.30	$1,410.45	$ 126.00	$ 8.60	$ 134.60
7 MONTHS	$1,328.40	$ 201.65	$1,530.05		$ 707.00	$ 84.80	$ 791.80

DATE	GROSS NEW ORDERS Domestic	Foreign	Total	CANCELLATIONS Domestic	Foreign	Total
1987	$1,365.85	$ 167.35	$1,533.20	$ 71.40	$ 10.35	$ 81.75
1988						
JAN	$ 207.35	$ 18.80	$ 226.15	$ 1.60	$ .60	$ 2.20
FEB	$ 221.05	$ 32.55	$ 253.60	$ 3.10	$ .10	$ 3.20
MAR	$ 178.10	$ 17.95	$ 196.05	$ 3.95	$ .20	$ 4.15
APR	$ 150.30	$ 50.50	$ 200.80	$ 3.85	$ 1.65	$ 5.50
MAY	$ 210.40	$ 37.45	$ 247.85	$ 4.75	$ .25	$ 5.00
JUN	$ 216.85	$ 29.00	$ 245.85	$ 6.20	$ 1.30	$ 7.50
JUL (P)	$ 171.90	$ 19.70	$ 191.60	$ 4.10	$ .20	$ 4.30
7 MONTHS	$1,355.95	$ 205.95	$1,561.90	$ 27.55	$ 4.30	$ 31.85

P - Preliminary
NOTE: This table includes industry estimate figures based on reports submitted to the NMTBA - The Association for Manufacturing Technology. These industry estimates have not been adjusted for change in the value of the dollar.

INDUSTRY ESTIMATE
METAL FORMING TYPE MACHINE TOOLS
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)

DATE	NET NEW ORDERS Domestic	Foreign	Total	Order Backlog	SHIPMENTS Domestic	Foreign	Total
1987	$ 536.05	$ 131.30	$ 667.35	$ 327.30	$ 537.90	$ 109.25	$ 647.15
1988							
JAN	$ 60.30	$ 13.25	$ 73.55	$ 328.70	$ 64.05	$ 8.10	$ 72.15
FEB	$ 40.90	$ 6.75	$ 47.65	$ 318.80	$ 48.10	$ 9.45	$ 57.55
MAR	$ 47.90	$ 14.65	$ 62.55	$ 312.40	$ 61.80	$ 7.15	$ 68.95
APR	$ 47.00	$ 10.70	$ 57.70	$ 308.00	$ 51.70	$ 10.40	$ 62.10
MAY	$ 73.25	$ 8.60	$ 81.85	$ 321.40	$ 57.35	$ 11.10	$ 68.45
JUN	$ 134.60	$ 9.85	$ 144.45	$ 384.60	$ 69.25	$ 12.00	$ 81.25
JUL (P)	$ 54.15	$ 14.80	$ 68.95	$ 399.85	$ 44.05	$ 9.65	$ 53.70
7 MONTHS	$ 458.10	$ 78.60	$ 536.70		$ 396.30	$ 67.85	$ 464.15

DATE	GROSS NEW ORDERS Domestic	Foreign	Total	CANCELLATIONS Domestic	Foreign	Total
1987	$ 583.25	$ 136.05	$ 719.30	$ 47.20	$ 4.75	$ 51.95
1988						
JAN	$ 61.60	$ 13.50	$ 75.10	$ 1.30	$ .25	$ 1.55
FEB	$ 44.10	$ 6.80	$ 50.90	$ 3.20	$ .05	$ 3.25
MAR	$ 49.45	$ 15.15	$ 64.60	$ 1.55	$ .50	$ 2.05
APR	$ 57.85	$ 11.50	$ 69.35	$ 10.85	$ .80	$ 11.65
MAY	$ 76.80	$ 8.65	$ 85.45	$ 3.55	$ .05	$ 3.60
JUN	$ 135.50	$ 9.95	$ 145.45	$ .90	$ .10	$ 1.00
JUL (P)	$ 55.55	$ 15.05	$ 70.60	$ 1.40	$ .25	$ 1.65
7 MONTHS	$ 480.85	$ 80.60	$ 561.45	$ 22.75	$ 2.00	$ 24.75

P - Preliminary
NOTE: This table includes industry estimate figures based on reports submitted to the NMTBA - The Association for Manufacturing Technology. These industry estimates have not been adjusted for change in the value of the dollar.

A8050-1
9/23/88

NEWS

NMTBA
The Association For
Manufacturing Technology

FOR RELEASE: September 26, 1988
Contact: Charles Pollock
Edwin Bowers

AUGUST MACHINE TOOL ORDERS UP 33.2%

Led by a surge in export orders for metal cutting machine tools, total machine tool orders rose to $339.55 million in August, up 33.2% from July. According to figures released today by NMTBA - The Association for Manufacturing Technology, year-to-date total orders reached $2,405.00 million, 86.5% above the figure for the same period last year. Compared to August 1987, August 1988 orders are up 139.1%.

August 1988 metal cutting machine tool orders showed a monthly rise of 39.8%, reaching $261.50 million, while orders for metal forming equipment rose 14.9%, to $78.05 million. Year-to-date metal cutting machine tool orders stood at $1,791.25 million, 107.4% above 1987, and metal forming orders reached $613.75 million, up 44.1%. Comparing August 1988 to August 1987, metal cutting orders rose 171.4% and metal forming orders rose 71.0%.

James A. Gray, NMTBA president, said, "The rise in orders for the month of August is welcome news as we return from our International Manufacturing Technology Show, IMTS-88, in Chicago. It is especially gratifying since August is often a slow-month for our industry. The rise in orders reflects an optimism about American manufacturing that was very much in evidence at IMTS. Attendance was up, topping out at 106,109, and visitors were there to buy."

(MORE)

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He added, "There is a growing belief in the future of the U.S. manufacturing industries. We've heard a lot lately from pessimists claiming Americans simply could not compete with overseas producers. Now facts, not just words, are proving them wrong."

Total machine tool shipments for August 1988 fell to $153.85 million, down 18.0% from July. Compared to August a year ago, total shipments were off 2.9%, while year-to-date shipments were down 2.6%.

From July to August 1988, metal cutting machine tool shipments fell 21.8% to $105.40 million, while metal forming shipments fell 8.6%, to $48.45 million. Comparing August 1988 to August 1987, shipments of metal cutting equipment fell 10.9% while metal forming shipments rose 21.0%. Year-to-date figures for 1988 show metal cutting machine tool shipments down 14.2% to $897.30 million and metal forming shipments up 27.8%, standing at $511.90 million.

The machine tool order backlog for August 1988 stood at $1,995.30 million, up from July's $1,809.60 million.

# # #

COMPARISON CHART

NET NEW ORDERS -- MACHINE TOOLS
(Millions of Dollars)

	METAL CUTTING			METAL FORMING			TOTAL Cutting and Forming		
	Domestic	Foreign	Total	Domestic	Foreign	Total	Domestic	Foreign	Total
AUG 1988	179.30	82.20	261.50	73.55	4.50	78.05	252.85	86.70	339.55
JUL 1988	167.55	19.45	187.00	53.80	14.15	67.95	221.35	33.60	254.95
% CHANGE									
AUG 1988:JUL 1988	+7.0	+322.6	+39.8	+36.7	-68.2	+14.9	+14.2	+158.0	+33.2
AUG 1987	90.25	6.10	96.35	36.60	9.05	45.65	126.85	15.15	142.00
% CHANGE									
AUG 1988:AUG 1987	+98.7	+1,247.5	+171.4	+101.0	-50.3	+71.0	+99.3	+472.3	+139.1
YEAR TO DATE 1988	1,507.45	283.80	1,791.25	531.30	82.45	613.75	2,038.75	366.25	2,405.00
YEAR TO DATE 1987	770.00	93.85	863.85	345.15	80.85	426.00	1,115.15	174.70	1,289.85
% CHANGE									
1988 : 1987	+95.8	+202.4	+107.4	+53.9	+2.0	+44.1	+82.8	+109.6	+86.5

SHIPMENTS -- MACHINE TOOLS
(Millions of Dollars)

	METAL CUTTING			METAL FORMING			TOTAL Cutting and Forming		
	Domestic	Foreign	Total	Domestic	Foreign	Total	Domestic	Foreign	Total
AUG 1988	93.00	12.40	105.40	40.65	7.80	48.45	133.65	20.20	153.85
JUL 1988	126.15	8.55	134.70	43.75	9.25	53.00	169.90	17.80	187.70
% CHANGE									
AUG 1988:JUL 1988	-26.3	+45.0	-21.8	-7.1	-15.7	-8.6	-21.3	+13.5	-18.0
AUG 1987	99.85	18.50	118.35	33.60	6.45	40.05	133.45	24.95	158.40
% CHANGE									
AUG 1988:AUG 1987	-6.9	-33.0	-10.9	+21.0	+20.9	+21.0	+0.1	-19.0	-2.9
YEAR TO DATE 1988	800.15	97.15	897.30	436.65	75.25	511.90	1,236.80	172.40	1,409.20
YEAR TO DATE 1987	935.15	111.25	1,046.40	344.20	56.50	400.70	1,279.35	167.75	1,447.10
% CHANGE									
1988 : 1987	-14.4	-12.7	-14.2	+26.9	+33.2	+27.8	-3.3	+2.8	-2.6

Source: NMTBA - The Association for Manufacturing Technology

TOTAL INDUSTRY ESTIMATE
MACHINE TOOLS - CUTTING AND FORMING
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)

DATE	NET NEW ORDERS Domestic	Foreign	Total	Order Backlog	SHIPMENTS Domestic	Foreign	Total
1987	$1,830.50	$ 288.30	$2,118.80	$ 999.50	$2,036.75	$ 286.90	$2,323.65
1988							
JAN	$ 266.05	$ 31.45	$ 297.50	$1,153.65	$ 125.65	$ 17.70	$ 143.35
FEB	$ 258.85	$ 39.20	$ 298.05	$1,285.25	$ 145.10	$ 21.35	$ 166.45
MAR	$ 222.05	$ 32.40	$ 254.45	$1,333.00	$ 185.75	$ 20.95	$ 206.70
APR	$ 193.45	$ 59.55	$ 253.00	$1,428.60	$ 133.90	$ 23.50	$ 157.40
MAY	$ 278.90	$ 45.80	$ 324.70	$1,573.60	$ 157.60	$ 22.10	$ 179.70
JUN	$ 345.25	$ 37.55	$ 382.80	$1,742.35	$ 185.25	$ 28.80	$ 214.05
JUL	$ 221.35	$ 33.60	$ 254.95	$1,809.60	$ 169.90	$ 17.80	$ 187.70
AUG (P)	$ 252.85	$ 86.70	$ 339.55	$1,995.30	$ 133.65	$ 20.20	$ 153.85
8 MONTHS	$2,038.75	$ 366.25	$2,405.00		$1,236.80	$ 172.40	$1,409.20

DATE	GROSS NEW ORDERS Domestic	Foreign	Total	CANCELLATIONS Domestic	Foreign	Total
1987	$1,949.10	$ 303.40	$2,252.50	$ 118.60	$ 15.10	$ 133.70
1988						
JAN	$ 268.95	$ 32.30	$ 301.25	$ 2.90	$ .85	$ 3.75
FEB	$ 265.15	$ 39.35	$ 304.50	$ 6.30	$ .15	$ 6.45
MAR	$ 227.55	$ 33.10	$ 260.65	$ 5.50	$ .70	$ 6.20
APR	$ 208.15	$ 62.00	$ 270.15	$ 14.70	$ 2.45	$ 17.15
MAY	$ 287.20	$ 46.10	$ 333.30	$ 8.30	$ .30	$ 8.60
JUN	$ 352.35	$ 38.95	$ 391.30	$ 7.10	$ 1.40	$ 8.50
JUL	$ 227.60	$ 34.10	$ 261.70	$ 6.25	$ .50	$ 6.75
AUG (P)	$ 262.10	$ 88.05	$ 350.15	$ 9.25	$ 1.35	$ 10.60
8 MONTHS	$2,099.05	$ 373.95	$2,473.00	$ 60.30	$ 7.70	$ 68.00

P - Preliminary

NOTE: This table includes industry estimate figures based on reports submitted to the NMTBA - The Association for Manufacturing Technology. These industry estimates have not been adjusted for change in the value of the dollar.

INDUSTRY ESTIMATE
METAL CUTTING TYPE MACHINE TOOLS
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)

DATE	NET NEW ORDERS Domestic	Foreign	Total	Order Backlog	SHIPMENTS Domestic	Foreign	Total
1987	$1,294.45	$ 157.00	$1,451.45	$ 672.20	$1,498.85	$ 177.65	$1,676.50
1988							
JAN	$ 205.75	$ 18.20	$ 223.95	$ 824.95	$ 61.60	$ 9.60	$ 71.20
FEB	$ 217.95	$ 32.45	$ 250.40	$ 966.45	$ 97.00	$ 11.90	$ 108.90
MAR	$ 174.15	$ 17.75	$ 191.90	$1,020.60	$ 123.95	$ 13.80	$ 137.75
APR	$ 146.45	$ 48.85	$ 195.30	$1,120.60	$ 82.20	$ 13.10	$ 95.30
MAY	$ 205.65	$ 37.20	$ 242.85	$1,252.20	$ 100.25	$ 11.00	$ 111.25
JUN	$ 210.65	$ 27.70	$ 238.35	$1,357.75	$ 116.00	$ 16.80	$ 132.80
JUL	$ 167.55	$ 19.45	$ 187.00	$1,410.05	$ 126.15	$ 8.55	$ 134.70
AUG (P)	$ 179.30	$ 82.20	$ 261.50	$1,566.15	$ 93.00	$ 12.40	$ 105.40
8 MONTHS	$1,507.45	$ 283.80	$1,791.25		$ 800.15	$ 97.15	$ 897.30

DATE	GROSS NEW ORDERS Domestic	Foreign	Total	CANCELLATIONS Domestic	Foreign	Total
1987	$1,365.85	$ 167.35	$1,533.20	$ 71.40	$ 10.35	$ 81.75
1988						
JAN	$ 207.35	$ 18.80	$ 226.15	$ 1.60	$ .60	$ 2.20
FEB	$ 221.05	$ 32.55	$ 253.60	$ 3.10	$ .10	$ 3.20
MAR	$ 178.10	$ 17.95	$ 196.05	$ 3.95	$ .20	$ 4.15
APR	$ 150.30	$ 50.50	$ 200.80	$ 3.85	$ 1.65	$ 5.50
MAY	$ 210.40	$ 37.45	$ 247.85	$ 4.75	$ .25	$ 5.00
JUN	$ 216.85	$ 29.00	$ 245.85	$ 6.20	$ 1.30	$ 7.50
JUL	$ 172.40	$ 19.70	$ 192.10	$ 4.85	$ .25	$ 5.10
AUG (P)	$ 186.20	$ 83.15	$ 269.35	$ 6.90	$ .95	$ 7.85
8 MONTHS	$1,542.65	$ 289.10	$1,831.75	$ 35.20	$ 5.30	$ 40.50

P - Preliminary
NOTE: This table includes industry estimate figures based on reports submitted to the NMTBA - The Association for Manufacturing Technology. These industry estimates have not been adjusted for change in the value of the dollar.

INDUSTRY ESTIMATE
METAL FORMING TYPE MACHINE TOOLS
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)

DATE	NET NEW ORDERS Domestic	Foreign	Total	Order Backlog	SHIPMENTS Domestic	Foreign	Total
1987	$ 536.05	$ 131.30	$ 667.35	$ 327.30	$ 537.90	$ 109.25	$ 647.15
1988							
JAN	$ 60.30	$ 13.25	$ 73.55	$ 328.70	$ 64.05	$ 8.10	$ 72.15
FEB	$ 40.90	$ 6.75	$ 47.65	$ 318.80	$ 48.10	$ 9.45	$ 57.55
MAR	$ 47.90	$ 14.65	$ 62.55	$ 312.40	$ 61.80	$ 7.15	$ 68.95
APR	$ 47.00	$ 10.70	$ 57.70	$ 308.00	$ 51.70	$ 10.40	$ 62.10
MAY	$ 73.25	$ 8.60	$ 81.85	$ 321.40	$ 57.35	$ 11.10	$ 68.45
JUN	$ 134.60	$ 9.85	$ 144.45	$ 384.60	$ 69.25	$ 12.00	$ 81.25
JUL	$ 53.80	$ 14.15	$ 67.95	$ 399.55	$ 43.75	$ 9.25	$ 53.00
AUG (P)	$ 73.55	$ 4.50	$ 78.05	$ 429.15	$ 40.65	$ 7.80	$ 48.45
8 MONTHS	$ 531.30	$ 82.45	$ 613.75		$ 436.65	$ 75.25	$ 511.90

DATE	GROSS NEW ORDERS Domestic	Foreign	Total	CANCELLATIONS Domestic	Foreign	Total
1987	$ 583.25	$ 136.05	$ 719.30	$ 47.20	$ 4.75	$ 51.95
1988						
JAN	$ 61.60	$ 13.50	$ 75.10	$ 1.30	$ .25	$ 1.55
FEB	$ 44.10	$ 6.80	$ 50.90	$ 3.20	$ .05	$ 3.25
MAR	$ 49.45	$ 15.15	$ 64.60	$ 1.55	$ .50	$ 2.05
APR	$ 57.85	$ 11.50	$ 69.35	$ 10.85	$ .80	$ 11.65
MAY	$ 76.80	$ 8.65	$ 85.45	$ 3.55	$ .05	$ 3.60
JUN	$ 135.50	$ 9.95	$ 145.45	$ .90	$ .10	$ 1.00
JUL	$ 55.20	$ 14.40	$ 69.60	$ 1.40	$ .25	$ 1.65
AUG (P)	$ 75.90	$ 4.90	$ 80.80	$ 2.35	$ .40	$ 2.75
8 MONTHS	$ 556.40	$ 84.85	$ 641.25	$ 25.10	$ 2.40	$ 27.50

P - Preliminary
NOTE: This table includes industry estimate figures based on reports submitted to the NMTBA - The Association for Manufacturing Technology. These industry estimates have not been adjusted for change in the value of the dollar.

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NEWS

NMTBA
The Association For
Manufacturing Technology

FOR RELEASE: October 31, 1988
Contact: Charles Pollock

1988 MACHINE TOOL ORDERS UP 85.6%

Total machine tool orders for 1988 are up 85.6% compared to the same period in 1987, according to figures released today by NMTBA - The Association for Manufacturing Technology. Through September, orders totaled $2,732.80 million. New machine tool orders for September reached $327.85 million, down 3.4% from August's $339.50 million but up 79.3% compared to September 1987.

At $2,057.75 million, year-to-date metal cutting machine tool orders are up 107.9% compared to 1987, while metal forming orders of $675.05 million are up 39.8% Metal cutting orders for the month of September 1988 stood at $266.50 million, up 1.9% compared to August, and metal forming orders fell to $61.35 million, down 21.3%. Comparing September 1988 to September 1987, metal cutting orders rose 111.3% and metal forming orders rose 8.1%.

James A. Gray, NMTBA president, said, "With total orders up 85.6%, 1988 is proving to be a significant swing year for the U.S. machine tool industry. American manufacturers are demonstrating what we have always known to be true. Given an even chance, they can and will compete -- in product, price, quality and service -- anywhere in the world."

He added, "We are especially encouraged by orders placed by foreign customers. Although highly volatile from one month to the next, for the first three quarters of 1988 they are almost 95% ahead of last year. Building on our strong international position, NMTBA's International Trade Department is pulling

(MORE)

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out all stops to increase export sales. The U.S. Government and U.S. manufacturers must continue to work together to see to it that international trade means international opportunity for American companies."

At $1,636.40 million, year-to-date total machine tool shipments were nearly level with 1987, down a scant 0.7%, with metal cutting shipments down 11.9% and metal forming shipments up 28.4%. Comparing August to September 1988, total machine tool shipments rose 47.5% to $227.10 million, with metal cutting up 43.4% and metal forming up 56.4%. Comparing September 1988 to September 1987, total shipments are up 13.3%, representing a metal cutting rise of 5.6% and a metal forming rise of 32.4%. The machine tool order backlog for September 1988 stood at $2,095.90 million, up from August's $1,995.15 million.

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COMPARISON CHART

NET NEW ORDERS -- MACHINE TOOLS
(Millions of Dollars)

	METAL CUTTING			METAL FORMING			TOTAL Cutting and Forming		
	Domestic	Foreign	Total	Domestic	Foreign	Total	Domestic	Foreign	Total
SEP 1988	253.00	13.50	266.50	51.65	9.70	61.35	304.65	23.20	327.85
AUG 1988	179.30	82.20	261.50	73.50	4.50	78.00	252.80	86.70	339.50
% CHANGE									
SEP 1988:AUG 1988	+41.1	-83.6	+1.9	-29.7	+115.6	-21.3	+20.5	-73.2	-3.4
SEP 1987	116.75	9.35	126.10	40.35	16.40	56.75	157.10	25.75	182.85
% CHANGE									
SEP 1988:SEP 1987	+116.7	+44.4	+111.3	+28.0	-40.9	+8.1	+93.9	-9.9	+79.3
YEAR TO DATE 1988	1,760.45	297.30	2,057.75	582.90	92.15	675.05	2,343.35	389.45	2,732.80
YEAR TO DATE 1987	886.75	103.20	989.95	385.50	97.25	482.75	1,272.25	200.45	1,472.70
% CHANGE									
1988 : 1987	+98.5	+188.1	+107.9	+51.2	-5.2	+39.8	+84.2	+94.3	+85.6

SHIPMENTS -- MACHINE TOOLS
(Millions of Dollars)

	METAL CUTTING			METAL FORMING			TOTAL Cutting and Forming		
	Domestic	Foreign	Total	Domestic	Foreign	Total	Domestic	Foreign	Total
SEP 1988	133.55	17.60	151.15	65.70	10.25	75.95	199.25	27.85	227.10
AUG 1988	93.00	12.40	105.40	40.75	7.80	48.55	133.75	20.20	153.95
% CHANGE									
SEP 1988:AUG 1988	+43.6	+41.9	+43.4	+61.2	+31.4	+56.4	+49.0	+37.9	+47.5
SEP 1987	126.65	16.45	143.10	48.00	9.35	57.35	174.65	25.80	200.45
% CHANGE									
SEP 1988:SEP 1987	+5.4	+7.0	+5.6	+36.9	+9.6	+32.4	+14.1	+7.9	+13.3
YEAR TO DATE 1988	933.70	114.75	1,048.45	502.45	85.50	587.95	1,436.15	200.25	1,636.40
YEAR TO DATE 1987	1,061.80	127.70	1,189.50	392.20	65.85	458.05	1,454.00	193.55	1,647.55
% CHANGE									
1988 : 1987	-12.1	-10.1	-11.9	+28.1	+29.8	+28.4	-1.2	+3.5	-0.7

Source: NMTBA - The Association for Manufacturing Technology

TOTAL INDUSTRY ESTIMATE
MACHINE TOOLS - CUTTING AND FORMING
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)

DATE	NET NEW ORDERS Domestic	Foreign	Total	Order Backlog	SHIPMENTS Domestic	Foreign	Total
1987	$1,830.50	$ 288.30	$2,118.80	$ 999.50	$2,036.75	$ 286.90	$2,323.65
1988							
JAN	$ 266.05	$ 31.45	$ 297.50	$1,153.65	$ 125.65	$ 17.70	$ 143.35
FEB	$ 258.85	$ 39.20	$ 298.05	$1,285.25	$ 145.10	$ 21.35	$ 166.45
MAR	$ 222.05	$ 32.40	$ 254.45	$1,333.00	$ 185.75	$ 20.95	$ 206.70
APR	$ 193.45	$ 59.55	$ 253.00	$1,428.60	$ 133.90	$ 23.50	$ 157.40
MAY	$ 278.90	$ 45.80	$ 324.70	$1,573.60	$ 157.60	$ 22.10	$ 179.70
JUN	$ 345.25	$ 37.55	$ 382.80	$1,742.35	$ 185.25	$ 28.80	$ 214.05
JUL	$ 221.35	$ 33.60	$ 254.95	$1,809.60	$ 169.90	$ 17.80	$ 187.70
AUG	$ 252.80	$ 86.70	$ 339.50	$1,995.15	$ 133.75	$ 20.20	$ 153.95
SEP (P)	$ 304.65	$ 23.20	$ 327.85	$2,095.90	$ 199.25	$ 27.85	$ 227.10
9 MONTHS	$2,343.35	$ 389.45	$2,732.80		$1,436.15	$ 200.25	$1,636.40

DATE	GROSS NEW ORDERS Domestic	Foreign	Total	CANCELLATIONS Domestic	Foreign	Total
1987	$1,949.10	$ 303.40	$2,252.50	$ 118.60	$ 15.10	$ 133.70
1988						
JAN	$ 268.95	$ 32.30	$ 301.25	$ 2.90	$ .85	$ 3.75
FEB	$ 265.15	$ 39.35	$ 304.50	$ 6.30	$ .15	$ 6.45
MAR	$ 227.55	$ 33.10	$ 260.65	$ 5.50	$ .70	$ 6.20
APR	$ 208.15	$ 62.00	$ 270.15	$ 14.70	$ 2.45	$ 17.15
MAY	$ 287.20	$ 46.10	$ 333.30	$ 8.30	$ .30	$ 8.60
JUN	$ 352.35	$ 38.95	$ 391.30	$ 7.10	$ 1.40	$ 8.50
JUL	$ 227.60	$ 34.10	$ 261.70	$ 6.25	$ .50	$ 6.75
AUG	$ 262.05	$ 88.05	$ 350.10	$ 9.25	$ 1.35	$ 10.60
SEP (P)	$ 314.30	$ 24.85	$ 339.15	$ 9.65	$ 1.65	$ 11.30
9 MONTHS	$2,413.30	$ 398.80	$2,812.10	$ 69.95	$ 9.35	$ 79.30

P - Preliminary

NOTE: This table includes industry estimate figures based on reports submitted to the NMTBA - The Association for Manufacturing Technology. These industry estimates have not been adjusted for change in the value of the dollar.

INDUSTRY ESTIMATE
METAL CUTTING TYPE MACHINE TOOLS
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)

DATE	NET NEW ORDERS Domestic	Foreign	Total	Order Backlog	SHIPMENTS Domestic	Foreign	Total
1987	$1,294.45	$ 157.00	$1,451.45	$ 672.20	$1,498.85	$ 177.65	$1,676.50
1988							
JAN	$ 205.75	$ 18.20	$ 223.95	$ 824.95	$ 61.60	$ 9.60	$ 71.20
FEB	$ 217.95	$ 32.45	$ 250.40	$ 966.45	$ 97.00	$ 11.90	$ 108.90
MAR	$ 174.15	$ 17.75	$ 191.90	$1,020.60	$ 123.95	$ 13.80	$ 137.75
APR	$ 146.45	$ 48.85	$ 195.30	$1,120.60	$ 82.20	$ 13.10	$ 95.30
MAY	$ 205.65	$ 37.20	$ 242.85	$1,252.20	$ 100.25	$ 11.00	$ 111.25
JUN	$ 210.65	$ 27.70	$ 238.35	$1,357.75	$ 116.00	$ 16.80	$ 132.80
JUL	$ 167.55	$ 19.45	$ 187.00	$1,410.05	$ 126.15	$ 8.55	$ 134.70
AUG	$ 179.30	$ 82.20	$ 261.50	$1,566.15	$ 93.00	$ 12.40	$ 105.40
SEP (P)	$ 253.00	$ 13.50	$ 266.50	$1,681.50	$ 133.55	$ 17.60	$ 151.15
9 MONTHS	$1,760.45	$ 297.30	$2,057.75		$ 933.70	$ 114.75	$1,048.45

DATE	GROSS NEW ORDERS Domestic	Foreign	Total	CANCELLATIONS Domestic	Foreign	Total
1987	$1,365.85	$ 167.35	$1,533.20	$ 71.40	$ 10.35	$ 81.75
1988						
JAN	$ 207.35	$ 18.80	$ 226.15	$ 1.60	$ .60	$ 2.20
FEB	$ 221.05	$ 32.55	$ 253.60	$ 3.10	$ .10	$ 3.20
MAR	$ 178.10	$ 17.95	$ 196.05	$ 3.95	$ .20	$ 4.15
APR	$ 150.30	$ 50.50	$ 200.80	$ 3.85	$ 1.65	$ 5.50
MAY	$ 210.40	$ 37.45	$ 247.85	$ 4.75	$ .25	$ 5.00
JUN	$ 216.85	$ 29.00	$ 245.85	$ 6.20	$ 1.30	$ 7.50
JUL	$ 172.40	$ 19.70	$ 192.10	$ 4.85	$ .25	$ 5.10
AUG	$ 186.20	$ 83.15	$ 269.35	$ 6.90	$ .95	$ 7.85
SEP (P)	$ 260.50	$ 14.35	$ 274.85	$ 7.50	$ .85	$ 8.35
9 MONTHS	$1,803.15	$ 303.45	$2,106.60	$ 42.70	$ 6.15	$ 48.85

P - Preliminary
NOTE: This table includes industry estimate figures based on reports submitted to the NMTBA - The Association for Manufacturing Technology. These industry estimates have not been adjusted for change in the value of the dollar.

INDUSTRY ESTIMATE
METAL FORMING TYPE MACHINE TOOLS
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)

DATE	NET NEW ORDERS Domestic	Foreign	Total	Order Backlog	SHIPMENTS Domestic	Foreign	Total
1987	$ 536.05	$ 131.30	$ 667.35	$ 327.30	$ 537.90	$ 109.25	$ 647.15
1988							
JAN	$ 60.30	$ 13.25	$ 73.55	$ 328.70	$ 64.05	$ 8.10	$ 72.15
FEB	$ 40.90	$ 6.75	$ 47.65	$ 318.80	$ 48.10	$ 9.45	$ 57.55
MAR	$ 47.90	$ 14.65	$ 62.55	$ 312.40	$ 61.80	$ 7.15	$ 68.95
APR	$ 47.00	$ 10.70	$ 57.70	$ 308.00	$ 51.70	$ 10.40	$ 62.10
MAY	$ 73.25	$ 8.60	$ 81.85	$ 321.40	$ 57.35	$ 11.10	$ 68.45
JUN	$ 134.60	$ 9.85	$ 144.45	$ 384.60	$ 69.25	$ 12.00	$ 81.25
JUL	$ 53.80	$ 14.15	$ 67.95	$ 399.55	$ 43.75	$ 9.25	$ 53.00
AUG	$ 73.50	$ 4.50	$ 78.00	$ 429.00	$ 40.75	$ 7.80	$ 48.55
SEP (P)	$ 51.65	$ 9.70	$ 61.35	$ 414.40	$ 65.70	$ 10.25	$ 75.95
9 MONTHS	$ 582.90	$ 92.15	$ 675.05		$ 502.45	$ 85.50	$ 587.95

DATE	GROSS NEW ORDERS Domestic	Foreign	Total	CANCELLATIONS Domestic	Foreign	Total
1987	$ 583.25	$ 136.05	$ 719.30	$ 47.20	$ 4.75	$ 51.95
1988						
JAN	$ 61.60	$ 13.50	$ 75.10	$ 1.30	$ .25	$ 1.55
FEB	$ 44.10	$ 6.80	$ 50.90	$ 3.20	$ .05	$ 3.25
MAR	$ 49.45	$ 15.15	$ 64.60	$ 1.55	$ .50	$ 2.05
APR	$ 57.85	$ 11.50	$ 69.35	$ 10.85	$ .80	$ 11.65
MAY	$ 76.80	$ 8.65	$ 85.45	$ 3.55	$ .05	$ 3.60
JUN	$ 135.50	$ 9.95	$ 145.45	$ .90	$ .10	$ 1.00
JUL	$ 55.20	$ 14.40	$ 69.60	$ 1.40	$ .25	$ 1.65
AUG	$ 75.85	$ 4.90	$ 80.75	$ 2.35	$ .40	$ 2.75
SEP (P)	$ 53.80	$ 10.50	$ 64.30	$ 2.15	$ .80	$ 2.95
9 MONTHS	$ 610.15	$ 95.35	$ 705.50	$ 27.25	$ 3.20	$ 30.45

P - Preliminary
NOTE: This table includes industry estimate figures based on reports submitted to the NMTBA - The Association for Manufacturing Technology. These industry estimates have not been adjusted for change in the value of the dollar.

QUARTERLY AND YEARLY SHIPMENTS AND NET NEW ORDERS OF MACHINE TOOLS
(Dollar Figures in Thousands)
1982 to Date

	Cutting and Forming			Cutting			Forming		
	SHIPMENTS		NET	SHIPMENTS		NET	SHIPMENTS		NET
DATE	Total	Foreign	NEW ORDERS	Total	Foreign	NEW ORDERS	Total	Foreign	NEW ORDERS
1982-1	$1,154,200	$112,650	$ 506,800	$ 933,050	$ 71,750	$ 384,850	$ 221,150	$ 40,900	$ 121,950
2	1,008,450	96,600	382,650	810,650	75,350	274,750	197,800	21,250	107,900
3	783,400	107,200	279,950	640,450	89,750	183,450	142,950	17,450	96,500
4	658,350	89,600	328,350	510,600	59,300	221,400	147,750	30,300	106,950
Total	$3,604,400	$406,050	$1,497,750	$2,894,750	$296,150	$1,064,450	$ 709,650	$ 109,900	$ 433,300
1983-1	$ 487,450	$ 56,650	$ 314,850	$ 370,600	$ 40,800	$ 224,100	$ 116,850	$ 15,850	$ 90,750
2	469,650	58,300	399,100	357,500	49,300	269,300	112,150	9,000	129,800
3	357,050	42,900	468,150	252,350	32,200	322,200	104,700	10,700	145,950
4	530,900	57,150	514,050	391,050	49,600	336,050	139,850	7,550	178,000
Total	$1,845,050	$215,000	$1,696,150	$1,371,500	$171,900	$1,151,650	$ 473,550	$ 43,100	$ 544,500
1984-1	$ 449,500	$ 40,550	$ 600,450	$ 298,100	$ 25,100	$ 412,750	$ 151,400	$ 15,450	$ 187,700
2	572,300	50,700	764,400	401,800	28,250	499,200	170,500	22,450	265,200
3	568,850	41,850	800,200	401,550	24,300	493,000	167,300	17,550	307,200
4	695,200	60,150	750,750	505,050	45,000	510,850	190,150	15,150	239,900
Total	$2,285,850	$193,250	$2,915,800	$1,606,500	$122,650	$1,915,800	$ 679,350	$ 70,600	$1,000,000
1985-1	$ 531,700	$ 48,950	$ 728,250	$ 357,050	$ 37,150	$ 528,500	$ 174,650	$ 11,800	$ 199,750
2	586,050	37,700	641,400	385,000	27,450	475,700	201,050	10,250	165,700
3	654,650	58,250	558,450	443,050	35,950	404,750	211,600	22,300	153,700
4	772,800	108,850	600,000	557,150	93,200	444,150	215,650	15,650	155,850
Total	$2,545,200	$253,750	$2,528,100	$1,742,250	$193,750	$1,853,100	$ 802,950	$ 60,000	$ 675,000
1986-1	$ 597,300	$ 67,500	$ 615,750	$ 386,950	$ 55,200	$ 463,500	$ 210,350	$ 12,300	$ 152,250
2	751,000	64,100	600,600	569,350	49,500	434,650	181,650	14,600	165,950
3	549,350	64,200	459,650	418,700	49,500	344,050	130,650	14,700	115,600
4	680,850	76,650	449,300	515,300	51,400	302,050	165,550	25,250	147,250
Total	$2,578,500	$272,450	$2,125,300	$1,890,300	$205,600	$1,544,250	$ 688,200	$ 66,850	$ 581,050
1987-1	$ 476,800	$ 55,950	$ 463,700	$ 349,150	$ 38,050	$ 326,100	$ 127,650	$ 17,900	$ 137,600
2	614,100	71,300	521,150	442,600	46,300	339,300	171,500	25,000	181,850
3	556,650	66,300	487,850	397,750	43,350	324,550	158,900	22,950	163,300
4	676,100	93,350	646,100	487,000	49,950	461,500	189,100	43,400	184,600
Total	$2,323,650	$286,900	$2,118,800	$1,676,500	$177,650	$1,451,450	$ 647,150	$ 109,250	$ 667,350
1988-1	$ 516,500	$ 60,000	$ 850,000	$ 317,850	$ 35,300	$ 666,250	$ 198,650	$ 24,700	$ 183,750
2	551,150	74,400	960,500	339,350	40,900	676,500	211,800	33,500	284,000
3P	568,750	65,850	922,300	391,250	38,550	715,000	177,500	27,300	207,300
Total	$1,636,400	$200,250	$2,732,800	$1,048,450	$114,750	$2,057,750	$ 587,950	$ 85,500	$ 675,050

P - Preliminary

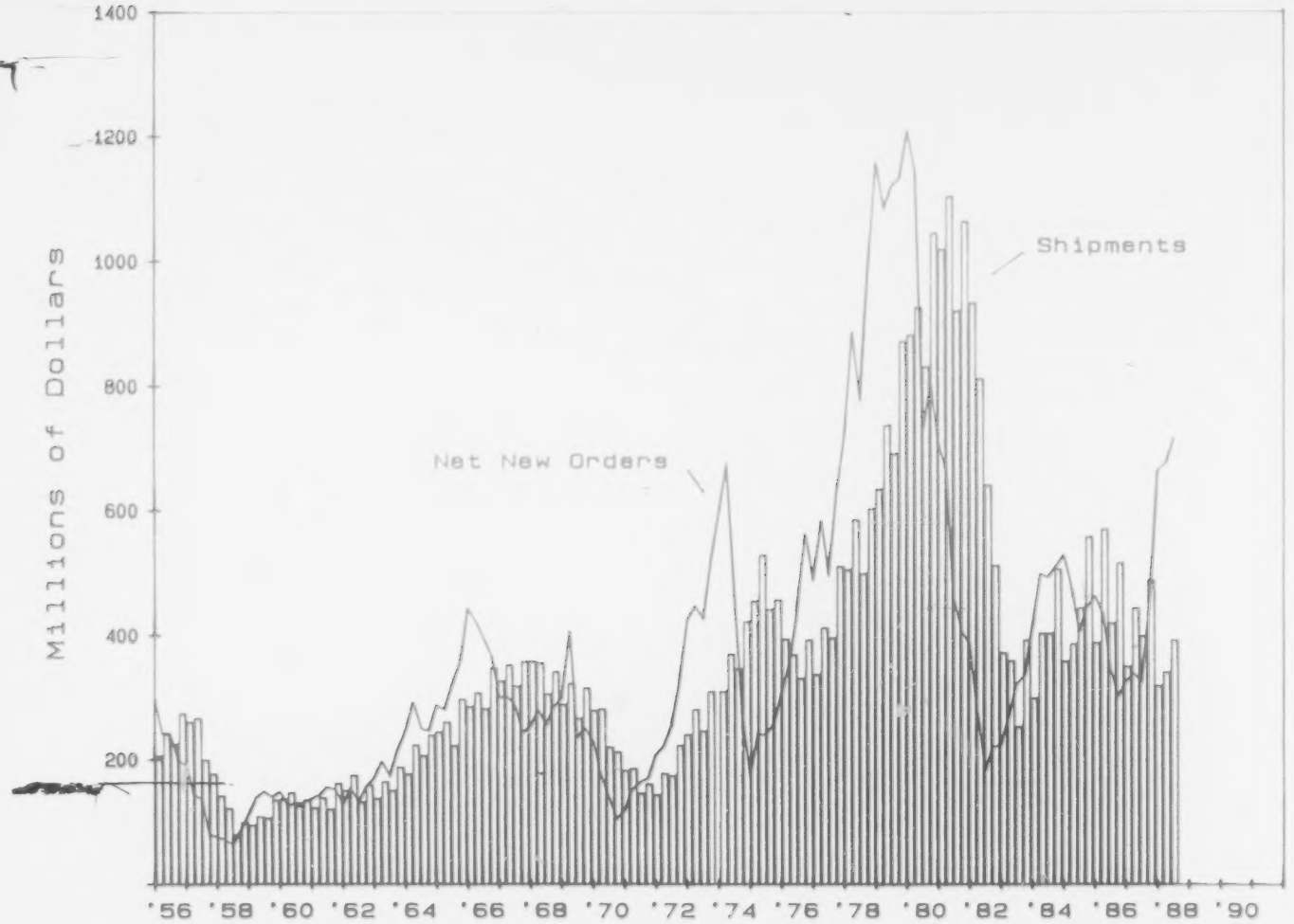
NOTE: These data series are available back to 1956. To obtain a copy of the tables for 1956 through 1988, contact: NMTBA Statistical Department, 7901 Westpark Drive, McLean, Virginia 22102-4269. Phone: 703:893-2900

Source: NMTBA - The Association for Manufacturing Technology

October 31, 1988

Total Machine Tools
Shipments (Bar) and Net New Orders (Line)
Quarterly, 1956:1 to 1988:3

Metal Cutting Machine Tools
Shipments (Bar) and Net New Orders (Line)
Quarterly, 1956: 1 to 1988: 3



Metal Forming Machine Tools
Shipments (Bar) and Net New Orders (Line)
Quarterly, 1956: 1 to 1988: 3